

THE NATIONAL Provisioner

THE MAGAZINE OF THE

Meat Packing and Allied Industries

Volume 101

Number 25

DECEMBER 16, 1930



Merry Christmas
and
Happy New Year

to all our friends

OPPENHEIMER CASING CO.

Harry W. Oppenheimer
PRESIDENT

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Factories and Agencies throughout the World

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IN FACT YOU CAN SAVE A GOOD MANY NICKELS EVERY DAY . . . WITH A NEW HELICAL GEAR DRIVE BUFFALO GRINDER

Consider the savings you can make in your own plant—every day of the year—by installing a New Buffalo Grinder and you'll agree that it is one of today's best investments.

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These are just a few of the cost cutting features of the New Buffalo—a few of the advantages that will mean new profits in your plant.



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*Wishes you a Very
Merry Christmas
and a Prosperous
New Year*



TRANSPAREN PACKAGE CO., CHICAGO, ILL.

In Weeks to Come

HOW is consumer purchasing power holding up? Will more people be able to spend more money for meat during the next few months? The packer will find information to help him answer these questions in next week's issue of THE NATIONAL PROVISIONER. A highly efficient bacon slicing and packaging line will be described in the December 30th number; an article on germicidal lamps appears soon.



MEMBER

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★

Daily Market Service (Mail and Wire)

"THE NATIONAL PROVISIONER DAILY MARKET SERVICE" reports daily market transactions and prices on provisions, lard, tallow and greases, sausage materials, hides, cottonseed oil, Chicago hog markets, etc.

For information on rates and service address The National Provisioner Daily Market Service, 407 S. Dearborn St., Chicago.

THE NATIONAL PROVISIONER

The Magazine of the Meat Packing and Allied Industries

Volume 101

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*Best Wishes
for a
Merry Christmas
and a
Happy New Year*

MEAT PACKERS know that CereLOSE helps to develop and protect good color in meat. They recognize that this pure Dextrose sugar is an aid in the fixation of color. They appreciate its economy... For further information please write:

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The Wm. J. Stange Company
wishes you a very Merry Christmas and
pledges a continuation of its policy of
respecting your confidence, serving you to
the best of its ability, and furnishing you
with products of consistently fine quality.



Meet the *Judge*

No getting away from it — this man's verdict is final! If his steak is tender and juicy he'll say "swell" and ask for another helping. But if not—well, he may keep perfectly quiet, but his very silence is more eloquent than grumblings or complaints.

Make sure of his verdict! You can do so easily with Tenderay, the revolutionary new process that makes tender beef of all the beef—the process that has proved itself in the research laboratory, under practical marketing conditions,

and in that most convincing of all trials, at the dinner table!

The progressive packer will quickly discover that Tenderay increases his beef

sales—that more retailers will sell his beef—and that Tenderay will bring more customers to their stores.

Complete details have just been published in the Tenderay book, of vital interest to every packing company executive. We suggest that you write for your copy now.

Manager of Special Products Department
Westinghouse Electric & Manufacturing Company
Bloomfield, New Jersey

TENDERAY

U. S. PAT. No. 2,169,081

In extending to our Friends and Patrons

GREETINGS OF THE SEASON

we sincerely hope the New Year will bring

"PEACE ON EARTH, GOODWILL TO MEN"



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Best Of Satisfactory Service



The Cincinnati Butchers' Supply Company

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Mfrs. "BOSS" Machines for Killing,
Sausage Making, Rendering

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GENERAL OFFICE: 2145 Central Parkway, Cincinnati, Ohio

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MR. R. S. COLE, Sales Manager of Hammond Standish & Company, Detroit, Michigan, says:

"Our success with 'Cellophane' dates back to the time when we changed the style of Cottage Butts over to 'Cottage Rolls.' This type package immediately became popular with housewives... so popular, they remembered it in the store with repeat purchases.

"We find the consuming public much prefers the 100% visible 'Cellophane' wrap. They can see

just what they're paying for and they have learned that meats protected by 'Cellophane' cellulose film are fresh and sanitary.

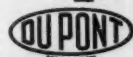
"We found this to be especially true with our one-pound Sausage Bowl. The 'Cellophane' top makes a very tight covering and materially aids the keeping qualities of the sausage. And, our brand name displayed prominently in bright colors on the wrap itself assures us of positive brand identification . . . and repeat sales."

PACKAGING IDEAS:

► One of our field representatives will be glad to help you with package plans. Write: "Cellophane" Division, Du Pont, Wilmington, Del.

Cellophane

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"Cellophane" is a trade-mark of
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DOUBLE THE DEMAND



DOUBLE YOUR OUTPUT

REDOUBLE YOUR PROFITS



One after another, our customers have told us how their sales have doubled and tripled after they began to use the NEVERFAIL 3-Day Ham Cure. You'll realize why . . . as soon as you taste those luscious hams, so mild and tender, so even in eye-catching pink color, with the distinctive "Pre-Seasoned" flavor.

Fortunately, as the NEVERFAIL 3-Day Ham Cure increases the demand for your product, it also enables you to increase your output without expanding your plant. It's easy to see why with processing time reduced to three days in cure and eight days stacking.

Naturally, profits rise sharply with increasing sales and lower production costs. Ride the rising tide of demand for the type of product made with the NEVERFAIL 3-Day Ham Cure! Write us for a free demonstration in your own plant.

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"The Man Who Knows"



"The Man You Know"

Pre-Seasoning

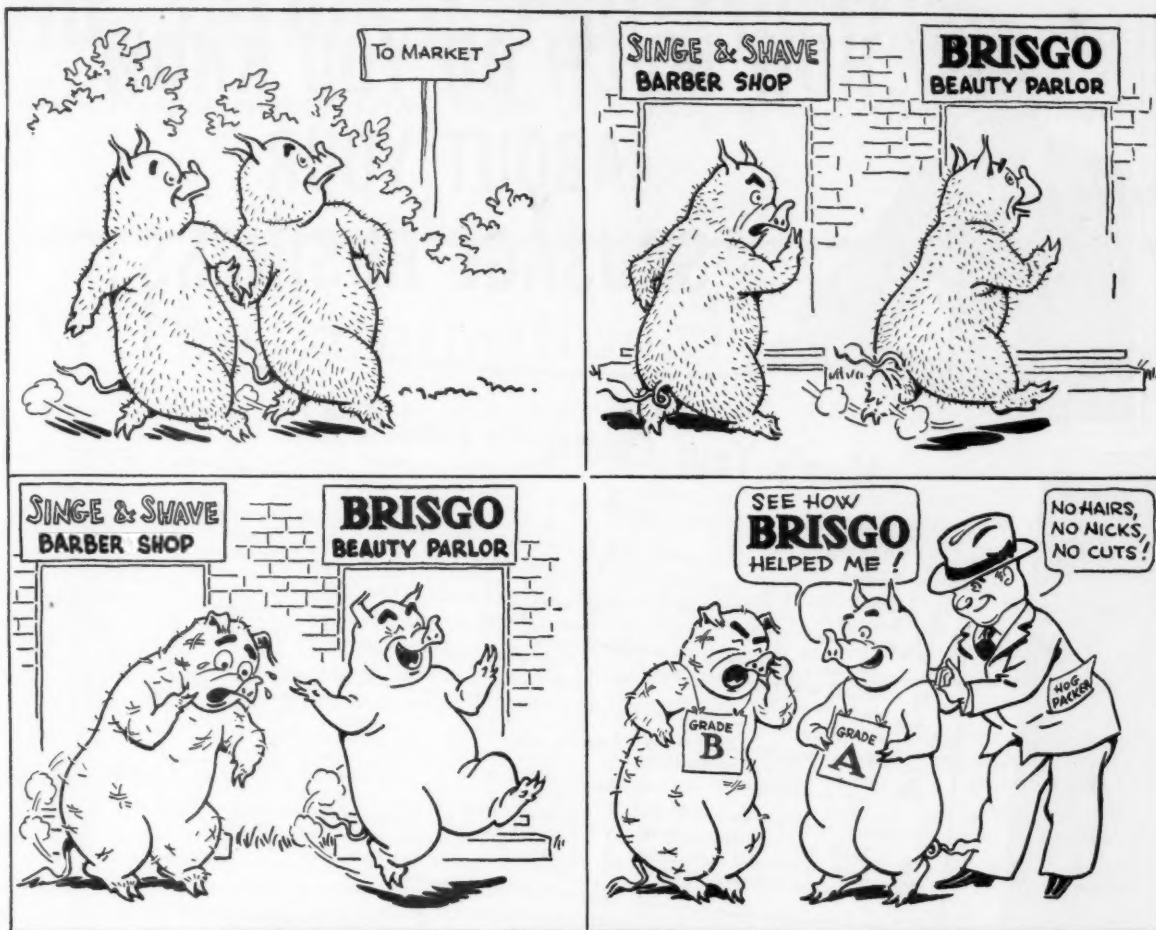
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HAM
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THE MONEY-SAVING, MODERN METHOD OF DEHAIRING HOGS

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KEEN HOG PACKERS NO LONGER WORRY OVER THE AGE OLD PROBLEM OF HOG HAIR REMOVAL.
SEND THE COUPON FOR COMPLETE INFORMATION ON HOW IT IS DONE!



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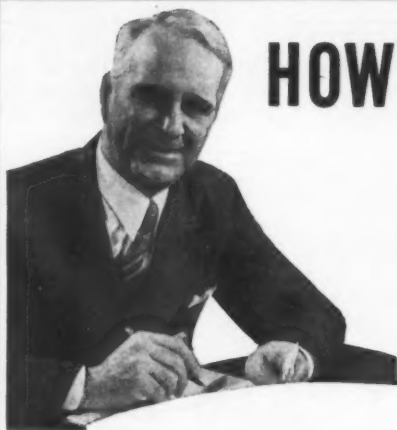
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Company

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MM-17



HOW MUCH DO YOU KNOW ABOUT YOUR SAUSAGE BUSINESS?

Here's Your Chance to Find Out!

QUESTIONS	ANSWERS
1. What qualities does the housewife want in the sausages she buys?	1. Women everywhere are agreed that <i>good</i> sausage must not only be tender and juicy, but—above all—it must have the zestful tang of true sausage flavor.
2. What makes "true sausage flavor"?	2. Fine meats, expertly seasoned and <i>thoroughly smoked</i> .
3. What guarantees the rich, smoked flavor so important to sausage?	3. Natural Casings! Their porous texture permits great smoke penetration . . . that means sausages with the delicious, appetizing goodness which has made them a popular favorite.
4. How can you be sure of getting natural casings of unsurpassed quality?	4. By ordering Armour's Natural Casings. We feel that the strict standards for which Armour is known . . . the careful grading . . . the prompt service . . . make Armour's your logical choice.

■ Well, Mr. Sausage Maker, no doubt you feel these are simple questions . . . too simple to occupy your thoughts for long. But are they? Let's go a step further and consider what else they mean to you—to your sales.

First, natural casings mean fine flavor for your product—the kind of flavor your customers want. They mean an attractive *looking* product, because their flexibility makes them cling tightly to the sausage, giving it a well-filled appearance.

Second, Armour's Natural Casings are your guarantee of satisfaction. Careful grading means a uniformity that cuts down losses in stuffing, and Armour's requirements bring you a finished product of all-around excellence.

Give your next casing order to your local Armour Branch House. It's a sound step in the right direction for you . . . and your sausage business.

ARMOUR'S NATURAL CASINGS

ARMOUR AND COMPANY • CHICAGO

THE NATIONAL PROVISIONER

The Magazine of the Meat Packing and Allied Industries

DECEMBER 16, 1939

At The International

PRIZE LIVESTOCK MEAT PROMOTION PACKER ACTIVITIES

NEVER in the 40 years of its history has the International Live Stock Exposition at Chicago enjoyed such broad interest and large attendance as it did this year.

From morning until night, large crowds viewed the extensive herds of breeding stock, fat stock, draft and light horses, and studied the meat exhibits. Throngs watched the judging and filled the amphitheater at night for the horse show, the parade of fancy cattle and draft horses, the exhibit of the grand champions, the big six-horse teams in action, and other educational and entertainment features.

High Quality Livestock Shown

Out in the stock yards and in the sheds and barns, carload after carload of fat cattle, hogs and lambs were competing for honors. A total of 229 carlots of fat cattle was entered, but these were sifted down to less than 100 before they were viewed by the final judges, who were veterans of the cattle yards.

In the sheep barns and in the hog sheds and alleys, men of long experience in buying lambs and hogs chose the champion lots.

From Argentina came Jorges Gordon-Davis, the judge of the individual steer classes. In choosing the grand champion and reserve champion steers of the show, he said, "I have never seen two such steers and did not believe it possible to breed and feed out such sensational animals."

PURPLE WINNER BOUGHT BY PFAELZER BROS.

Lucky Boy 2d, grand champion steer of the 1939 International Live Stock Exposition, in the auction ring immediately following his purchase by Pfaelzer Bros. for \$1,700. The brothers shown here (left to right) are Monroe, Ellard and Leonard. The firm will market the meat through regular trade channels. Lucky Boy 2d was fed and exhibited by an 18-year-old Texas 4-H club boy.

The junior section of the livestock show increases in importance from year to year. Not only are the young people showing many fine types of fat animals, but they are also carrying off the championships; both the grand champion steer and the grand champion hog this year were exhibited by 4-H club boys. A 17-year-old North Dakota girl, the only one in the contest, won over all of her male competitors in the non-collegiate livestock judging contest.

As the show opened on December 2, general manager B. H. Heide reported that there were 13,322 head of livestock on exhibit. This number was 1,701 head more than at the 1938 International, and the quality brought before this "Supreme Court" of the livestock world was the highest possible.

So popular has the big show become, not only among residents in and around Chicago, but also for many from the Corn Belt, the Eastern seaboard and Canada, that gate records at the close of the



8-day period this year showed an attendance of 448,000. Packers and packer buyers were on hand from many Eastern and mid-Eastern points; many carloads of show steers, hogs and lambs went to Eastern accounts.

From the breeding herds of beef cattle, hogs and sheep, numerous animals went to new homes throughout the livestock producing areas for the improvement of the future supply of meat animals. Plenty of fancy beef, pork and lamb for the holiday trade will come from the fat cattle, hogs and lambs exhibited.

Although this is expensive meat to handle, a number of packers do handle it in support of the livestock industry. Many orders are placed in advance by railroad dining cars, clubs, hotels, high class restaurants and others who are interested in furnishing their patrons with the best meat, as well as in offering support to the industry which produces it.

Meat and Lard Displays

Of equal importance to the livestock industry, to packers and to the consuming public were the displays of carcass meats, cuts and sausage, and the examples of fundamental meat promotion which constituted the Meat Exhibit of the National Live Stock and Meat Board in conjunction with the International management. Housed on the second floor of the big amphitheater, 60 front feet of refrigerated space was used for the display of meats. Another 50 feet was devoted to exhibits of meat educational and promotional material.

The livestock industry's end-product—meat—has constituted an important part of the International program for the past 15 years. The popularity of the

educational and promotional displays has grown by leaps and bounds and this year there were few times when one could make a leisurely study of the many interesting features of the exhibit. Prominent in the refrigerated space were standard meat cuts of the present time and of 40 years ago when the International was first held, methods of cookery then and now, and meat cooking utensils, past and present.

Sausage Promotion

Thirty-two kinds of sausage—dry, smoked, smoked and cooked, and fresh, all stuffed in animal casings—were featured with the largest and smallest sausage made. Correct carving of many widely used meat cuts was illustrated and lard was featured in a spectacular way.

An attendant in the meat promotion section of the exhibit distributed books on meat cookery, meat carving, meat in reducing and gaining diets, booklets on lard and its use, and other educational material. A nutrition display which the Board has used extensively at dietetic, medical and dental meetings, and wax models of suggested weight reducing and gaining diets, in each of which meat plays an important part, were shown in this section.

There was a special carving exhibit which has been used at many state and county fairs and livestock shows this fall. Food value transparencies in color showed meat as an excellent source of the essential food elements. A mechanical lard exhibit listed "ten good reasons for using lard."

Wax models of baked hams, rib roasts, steaks, loin roasts and other cuts were used in one of the carving exhibits with cutlery by Russell Herrick & Co.

MEAT BOARD DISPLAYS

(See opposite page.)

Lard and sausage, as well as modern meat cuts, were in the spotlight at the meat exhibit of the National Live Stock and Meat Board at the International Live Stock Exposition.

TOP.—All the little figures and the giant football were made of lard. Posters called the attention of visitors to lard's advantages for every cooking and shortening purpose.

CENTER.—For the second time an extensive exhibit of sausage stuffed in animal casings was a feature of the meat exhibit. These manufactured meat products have wide consumer appeal and furnish an important outlet for a large number of meat animals.

BOTTOM.—Forty years ago, when the first International Live Stock Exposition was held, meat cuts were large in accordance with consumer demand of that day. At present, the small boneless cut is far more popular.

Instructions for carving 11 different meat cuts were given. Several thousand copies of the Board's new book, "Carving Made Easy," just off the press, were distributed at the show.

Visitors gave much attention to the large variety of sausage stuffed in animal casings. This exhibit was arranged in cooperation with the Sausage Committee of the Institute of American Meat Packers. Sausage in appetizers and a big plate of sliced sausage were in the center of the exhibit and were flanked with 32 different kinds of sausage. The "world's largest" and the "world's smallest" sausage were shown; the largest product was bologna in a sewed casing and weighed 257 1/4 lbs. and the smallest was a tiny cocktail sausage. "Serve Sausage Often" was the slogan of this exhibit.

Sculptured lard figures of seven life-size pigs wearing football helmets, with four others as cheer leaders, all surrounding a huge revolving football of lard, made up the central feature of the lard exhibit. At one end of the display was the typical draft horse and rider, used as a symbol of the International in its publicity throughout the country. All figures in the display were modeled in lard by Charles Umlauf, Chicago sculptor.

Meat in Low-Cost Meals

A part of the meat exhibit in which visitors showed much interest illustrated how meat can be used in a well balanced diet for a family of five, consisting of a medium-sized man, woman, an older boy, a school child and a pre-school child, at a cost of only 11 1/4¢ per meal per person. Three complete meals were shown each day, and were changed daily. Every meal contained meat and the weekly food bill for a total of 105 meals was \$11.97, of which \$4.15 was for meat.

It was shown that meat, as an excellent source of nine of the 13 essen-

(Continued on page 16.)



Chicago Daily News Photo

ADMIRING THE PRIZE-WINNING SHORTHORN

Thomas E. Wilson (left), chairman of the board of Wilson & Co. and owner of some of the most famous Shorthorn cattle in the country, looks over Chester Ebert's winning Shorthorn steer with the Argentine judge, Jorge Gordon-Davis.





EXPERT JUDGES OF FAT STEERS

R. A. Smith, head cattle buyer for Armour and Company at Chicago; James Boyle, who heads the Swift & Company cattle buying staff, and H. C. Overman, chief buyer for Wilson & Co., judged the 87 carloads of fat steers. These three judges constitute the "Supreme Court" of the fat cattle market.

tial food elements, is important for each meal since it supplies these elements and also adds flavor and appetite appeal to supplementary foods. Breakfast, luncheon and dinner tables with their full quota of food were arranged in an attractive and appetizing manner. Dishes, silver and linen were furnished by Marshall Field & Co., Chicago.

Many visitors commented that the meat and meat cuts showed up to greater advantage this year than ever before. This was due to a new lighting system which brought out the nice white color of the fat and the bright red of the lean. The lights produced very little heat and thus saved an estimated 1½ tons of refrigeration per hour in refrigerating the cooler. The new system utilized the Zeon fluorescent light, a special adaptation of the ordinary fluorescent light.

Packers and wholesale meat dealers from Chicago and outside visited the exhibit and studied the lighting effects. These lights were furnished by the Federal Electric Company and Jensen Electric Company. Twelve Sterilamp units were also used in the big cooler. These were available through the courtesy of Westinghouse Electric & Manufacturing Company. All refrigeration was furnished by Kelvinator. Two 5-ton compressors were used.

Packer Participation

Packer buyers figured prominently in selection of the grand champion and other prize winning loads of livestock. These men have bought livestock for many years—the cattle buyers can look at a steer and form an accurate idea of the percentage and quality of beef it will yield; the hog buyers know what a carcass will look like on the rail and the kind and quality of cuts it will produce, and the sheep buyer is reputed to be able to "look a lamb in the eye and tell what his carcass will look like on the hooks."

H. C. Overman of Wilson & Co. and R. A. Smith of Armour and Company, with James Boyle of Swift & Company serving as associate judge, picked the carlot cattle winners. They chose a middleweight load of Angus averaging

1,054 lbs., which was fed and exhibited by Schmidt Bros., Delmar, Iowa, out of the 87 carloads which qualified for final competition. These cattle sold to Cudney & Co., hotel and restaurant supply house, through Swift & Company, for Isbell's restaurant in Chicago.

The judges handled 31 loads of cattle averaging under 1,050 lbs., which sold at an average price of \$12.56; 36 loads, ranging between 1,050 and 1,150 lbs. per head, which sold at an average price of \$12.79 per cwt.; and 20 loads in the over 1,150-lb. class, averaging 1,221 lbs., which sold at an average price of \$12.53. Thirty-one of the carlots exhibited were Angus, 42 were Herefords and 14 were Shorthorns.

Hog Quality High

Joseph M. Waters, in charge of hog buying for Armour and Company, placed the carlots of fat hogs. So good were the loads that Mr. Waters admitted that picking the winning lot was "the toughest job he ever encountered." The grand champions were Berkshires which averaged 244 lbs. when sold. They



J. M. WATERS



WM. RENEKER

went to Wilson & Co. at \$9.00 per cwt.

These hogs averaged 225 lbs. when they entered the show, and when they were awarded the championship were reported to be the lightest average weight of any grand champion carlot in the history of the International. Mr. Waters picked his winners from over 30 carloads of hogs. He also assisted in choosing the sweepstakes ten barrows.

William T. Reneker, head hog buyer for Swift & Company, judged the Duroc Jersey hogs. Commenting on his activity in this connection, the Chicago Daily Drovers Journal said:

"Mr. Reneker is a noted authority on hog type and has had great influence in conveying to producers a better idea of what is demanded in the modern hog. He has been invited to participate in many type conferences called by agricultural colleges and others. He is ever ready to explain what it is in the porker that the packer wants."

Roy F. Guy, head sheep buyer for Swift & Company, a veteran lamb and sheep buyer, chose a car of purebred Southdowns, exhibited by W. J. Brodie, Stouffville, Ont., Canada, as the grand champion load. This feeder has won the same honor in each of the last six International shows. The lambs averaged a little over 90 lbs.

A load of native lambs exhibited by Michigan State College, all purebred Shropshires averaging 83 lbs., was second best. Mr. Guy judged ten loads of fed Westerns weighing over 90 lbs. His final choice was a load fed near Chicago—deep-bodied, short-coupled and well-finished lambs with firm flesh. The champion carload sold for \$23.00 per cwt. The load of natives brought \$18.75 per cwt.

Pfaelzer Bros., purveyors of fine meats, bought the grand champion steer of the show at \$1.35 per lb. The firm's purchase was in support of the production of fancy beef and the meat will be sold through regular trade channels. Illinois Packing Co. bought the champion steer in the Junior Feeding Contest, a 1,190-lb. Angus, paying 70c per lb. for Mandel Bros., Chicago.

Hog Brings \$1.55 per lb.

The grand champion hog was bought by Armour and Company for Kroger Grocery & Baking Co. He was a purebred Hampshire, weighing 298 lbs., and sold for \$1.55 per lb., the highest price ever paid for a champion hog at the International. The grand champion wether, a purebred Southdown weighing 104 lbs., sold at \$1.25 per lb.

In addition to purchases of carlot cattle made by Armour and Company, Cudahy Packing Co., Swift & Company and Wilson & Co., cattle were bought by E. Kahn's Sons Co., Cincinnati; Pfaelzer Bros., Chicago; New England Dressed Meat Co., Somerville, Mass.; New York Butchers Dressed Meat Co., New York City; Illinois Packing Co., Chicago; Pittsburgh Packing & Provision Co., Pittsburgh, Pa.; Cudahy Bros. Co., and Hygrade Food Products Corp.

Among the large buyers of individual steers was Schaffner Bros., Erie, Pa.

Supreme Packing Co., Elburn, Ill., was another buyer of individual steers.



R. F. GUY

Rath Volume and Sales Reach New High During 1939

THE largest year in Rath history in number of animals slaughtered, tonnage and net sales, has been reported by the Rath Packing Company, Waterloo, Iowa, for the period ended October 28, 1939. Net sales totaled \$54,577,864.52, an increase of \$6,657,773.07 over the previous year, although the price level was lower. Number of animals slaughtered totaled 2,017,401 and tonnage of product handled was 421,035,522 lbs.



J. W. RATH

Net profit after depreciation, obsolescence and federal and state taxes amounted to \$2,157,546.26. This net profit was used for dividends totaling \$649,996.77, the payment of \$462,000 on a fixed debt in the form of debentures, and the balance was more than offset by new buildings and equipment added in the amount of \$1,340,219.90.

The company has no bank indebtedness; it has reserves set aside for liabilities arising from processing taxes, pending their final determination; its net worth is now \$9,977,293.48, an increase of \$1,507,549.49 over last year, and working capital has been increased by \$55,581.68. Ratio of current assets to current liabilities on the record date was 6.37 to 1.

\$3,974,689 in Inventories

Current assets totaled \$7,572,259.25, of which \$1,243,090.64 was in cash; \$2,344,759.85 in accounts and notes receivable, less a reserve of \$50,000 for doubtful accounts. Inventories totaled \$3,974,689.00, of which \$2,962,493.67 was in product inventories and \$1,012,195.33 in raw materials, livestock and supplies.

Current liabilities totaled \$1,188,537.47, of which \$247,639.25 was in form of accounts payable, \$75,000 in sinking fund payments on debentures, \$669,030.85 as a provision for state, federal and other taxes, and \$75,000 for preferred stock dividends payable November 1, 1939.

In transmitting the report to stockholders, President John W. Rath pointed out that the program of plant expansion was continued during the year and the five-story addition to the manufacturing and cold storage building was completed and is now in use.

"This building is equipped with the latest improved machinery for operation of the various departments housed therein, and is considered the most modern of its kind anywhere," he reported. An employees' building is being

constructed and additional land has been purchased for parking space for employees' cars. The rebuilding of the live-stock area has been consistently carried forward and will be completed as rapidly as possible, the report stated.

"Design and construction of these buildings are all of the latest and most modern type," Mr. Rath said. "We believe that during the past year substantial progress was made in our program of developing a packing plant commensurate with the needs of this great agricultural area, and the demand for our products."

800 More Employees

Employees of the company now total 4,600, an increase of more than 800 during the year. "Notwithstanding the large expenditure for new buildings and equipment, the fixed asset investment per employee is practically the same as the year before," Mr. Rath said.

"We consider this business an important link in the agricultural program," the president declared. "It is our aim to perform a real service, not only to the producers who furnish the live-stock, the employees who process it, and the stockholders who furnish the capital, but also to the public at large who are our customers. The fact that our business has had a steady and continuous growth seems to indicate that these various functions have been properly recognized."

Income and surplus statements for the 52 weeks ended October 28, 1939, follow:

INCOME STATEMENT.

Sales, less discounts, returns, allowances and freight out.....	\$54,577,864.52
Deduct: Cost of selling, delivery, general and administrative expenses, excluding depreciation and obsolescence	51,478,196.85
Operating profit before depreciation and obsolescence	\$ 3,099,667.67
Add other income, net of other expense	22,401.51
	\$ 3,122,069.18
Deduct:	
Depreciation and obsolescence.....	\$352,602.81
Interest and exchange paid, including amortization of expense of debenture issue.....	80,149.19
	\$432,752.00
Profit before income tax provision.....	\$ 2,689,317.18
Deduct: Provision for federal and state income and excess profit taxes	502,170.92
Income tax.....	29,600.00
Excess profits taxes.....	
	\$531,770.92
Net profit transferred to surplus.....	\$ 2,157,546.26

SURPLUS STATEMENT.

Surplus, Oct. 29, 1938:	
Paid-in surplus	\$ 510,000.00
Earned surplus	1,959,743.99
Total	\$2,469,743.99
Add: Profit for fiscal year ended Oct. 28.....	2,157,546.26
Total	\$4,627,290.25
Deduct: Dividends declared—	
Cash dividends on preferred stock	\$150,000.00
Cash dividends on common stock.....	499,996.77
Total dividends	649,996.77
Surplus, Oct. 28, 1939:	
Paid-in surplus	\$ 510,000.00
Earned surplus	3,467,293.48
	\$3,977,293.48

Officers of the company are J. W. Rath, president; R. A. Rath, vice president; Howard H. Rath, treasurer and A. D. Donnell, secretary. Directors are J. W. Rath, R. A. Rath, Howard H. Rath, A. D. Donnell, Ray S. Paul, Geo. E. Rath and James M. Graham.

NLRB ELECTION SUMMARY

In the 746 elections staged during the fiscal year 1938-1939 under supervision of the National Labor Relations Board, ballots were cast by 181,090 workers, or nearly 88 per cent of those eligible to vote, according to a report by the Board summarizing election results during the period.

Of the 746 elections, 52 were won by independent unions, 260 by unions affiliated with the C. I. O. and 262 by A. F. of L. unions, while 172 elections resulted in a lack of a majority for any labor organization. Independent unions won 41 per cent of the elections in which they participated; the C. I. O., 53 per cent, and A. F. of L., 58 per cent.

TAX REFUND DEADLINE NEAR

The Institute of American Meat Packers reminded members in a bulletin this week that packers who have filed claims for refund of taxes paid under the Agricultural Adjustment Act should make certain that the claims adequately protect their rights, advising any claimant who doubted the adequacy of his claim to file a new or amended claim on or before December 31, 1939. The Institute bulletin quoted the text of a recent release of the Commissioner of Internal Revenue, which stated that the date specified would be the last day on which original or amended claims for refunds could be filed with collectors of internal revenue.

HOLIDAY WEEKEND INSPECTION

Federal meat inspectors will be furnished at official establishments, where necessary, on December 23 and December 30 on the same basis as other regular work days, the U. S. Bureau of Animal Industry has informed the Institute of American Meat Packers. These two days are the Saturdays preceding Christmas and New Year. Plants operating on these days will not be obligated to pay overtime to federal inspectors.

FORST PROMOTES TURKEY

Jacob Forst Packing Co., Kingston, N. Y., is inaugurating an extensive national advertising campaign in newspapers and magazines on its Catskill Mountain Smoked turkey, a new product of the company. The campaign is being handled by Frank Best & Co., advertising agency.

Once a year we have this
opportunity...



ITH the advent of the holiday season, we take pleasure in extending to everyone connected with the packing industry, our best wishes for

A Merry Christmas
and
A Happy New Year

Our sales representatives in particular express their appreciation for the many courtesies accorded them on the various calls they have made in behalf of Presco Products. And, of course, our executives are equally appreciative for the steadily increasing business of the Company which widespread endorsement of Presco quality and performance has made possible.

The Preservaline Mfg. Co.



PRESCO PRODUCTS

FOR THE SCIENTIFIC PROCESSING OF MEAT AND MEAT PRODUCTS

Work of Livestock Loss Board Planned

MEAT packers, market agencies, livestock shippers, railroad, truck and stock yards representatives met in Chicago on December 6 to discuss the work of the National Live Stock Loss Prevention Board, to report progress in reducing losses and to awaken all agencies to broader and more intensive education on this important loss problem.

Homer R. Davison, vice president of the Institute of American Meat Packers, is chairman of the board and H. R. Smith is general manager. Mr. Davison presided at the meeting. He outlined conditions which led to the establishment of the Board, told of its work and something of plans for the future.

Oscar G. Mayer, president of Oscar Mayer & Co., Chicago and Madison, paid tribute to the work done in eliminating bovine tuberculosis and its heavy loss to the meat packing industry. He spoke of cooperative work between his company's Madison plant and the Board in checking losses of livestock trucked to the plant, and urged that the general manager and directors be supported in an extension of the effort and plans of the Board.

Movie Used for Education

Dr. C. D. Lowe, senior extension animal husbandman, U. S. Department of Agriculture, told of the cooperation of the Department in this effort and described the moving picture film which the Department is distributing to show correct methods of handling livestock from farm to packinghouse and damage and loss resulting from careless handling. He also stated the conditions under which the film can be distributed or purchased.

Speaking briefly, Mr. Smith told of the progress in the loss prevention movement and of the improvement in handling at stock yards. He spoke of the need of further education among farmers and shippers and of the enormous losses that can be reduced and ultimately almost wiped out. The heaviest losses are on cattle and sheep, he said, with horn damage being among the greatest and "such a needless loss," so easily overcome by dehorning all cattle.

Demonstrations Used

The winning livestock loss demonstration team, recently judged champions at the International Live Stock Exposition, was presented by L. I. Frisbie, Nebraska 4-H club leader. He told how these demonstration teams appear at farmers' meetings and with their models of trucks, loading chutes, feeding yards and other equipment explain to their elders how to reduce bruises, crippling and death losses so costly to livestock producers and meat packers. One of these demonstrations was presented by the winning team.

The National Live Stock Loss Prevention Board was organized in 1934 and has been actively engaged in educational work to reduce losses in transit and from bruising. A large number of organizations have been participating in the work of the Board and worthwhile results have been accomplished.

NEW STAMP PLAN AREAS

Selection of San Francisco, Calif., as an area to which the Department of Agriculture's stamp plan of surplus commodity distribution will be extended, has been announced by Secretary Henry A. Wallace. Population of San Francisco is estimated at 750,000. The city has about 37,000 relief cases, representing approximately 70,000 individuals. Operation of the plan in San Francisco is expected to begin this month.

Newest areas announced by Henry A. Wallace, Secretary of Agriculture, as approved for the food order stamp plan of surplus commodity distribution, include Portland, Ore., and the adjacent area within Multnomah County; Hutchinson, Kas., and Reno County, and Macon, Ga., including all of Bibb County.

The department recently announced that pork, in addition to lard, is now on the stamp plan list of surplus commodities being distributed in more than 20 cities throughout the nation.

FLASHES ON SUPPLIERS

WORTHINGTON PUMP & MACHINERY CORP.—H. C. Beaver, president, Worthington Pump & Machinery Corp., announces election of Maynard D. Church as vice president of the corporation. Mr. Church is also president of Moore Steam Turbine Corp., Wellsville, N. Y., a Worthington subsidiary, and will continue in charge of its operations. Mr. Beaver also announces election of R. W. Towne as assistant secretary of Worthington.

LIQUID CARBONIC CORPORATION.—C. G. Carter, formerly vice president and treasurer of the Liquid Carbonic Corp., has been elected president to fill the vacancy created by the recent death of W. A. Brown. Mr. Carter joined the company in 1907 as a clerk in the sales department. W. K. McIntosh has been elected chairman of the board.

MANNING, MAXWELL & MOORE, INC.—Louis H. Brendel has been promoted to the position of assistant to C. H. Butterfield, general sales manager of Manning, Maxwell & Moore, Inc., makers of pressure gauges, safety valves, thermometers and other equipment. Formerly assistant sales manager of the company's Hancock Valve division, Mr. Brendel will now supervise sales promotion and jobber relations for this division as well as the Consolidated Safety Valve and American Schaeffer & Budenberg Instrument divisions of the organization.



NEW MORRELL UNIT BEING BUILT AT TOPEKA

Architect's drawing of new seven-story building under construction for John Morrell & Co. at Topeka, Kas., shows exterior walls of pressed brick trimmed with pre-cast stone. Measuring 120 by 100 ft., the fireproof structure will incorporate latest ideas in design and equipment. Construction will include floors and roofs of concrete, with inside walls and partitions faced with glazed tile. Windows and glass brick will supply ample light to working rooms.

"It's an INTERNATIONAL!"



These two International Cab-Over-Engine Trucks were recently put on the Chicago-Evansville run by Swift and Company

Thirty-three years ago a bold name appeared on a pioneer truck. It was the first INTERNATIONAL, named for International Harvester. The name was mainly *pledge* and *promise* then. Now it is the greatest name in trucks. Wherever loads are hauled today, in the remote corners of the world or just around the corner from you, truck men are proud to say, "It's an International."

A third of a century of "fixed idea" has brought this about—33 years of Harvester determination to provide truck transportation at the lowest possible cost for any man with loads to haul.

International's 242 Company-owned branches with their factory-service facilities, and the thousands of service-trained dealers, have

played a vital part in the International Truck reputation of today. *Truck-quality — service-readiness.* These make International *performance and economy*, and that is the substance of truck ownership.

And it's this unequaled performance and economy that sells more heavy-duty Internationals than any other three makes combined.

Fit Internationals to *your* hauling problems. Sizes range from Half-Ton Pickups to powerful 6-Wheelers. Any International Dealer or Branch will give you the names of International owners you know. These owners will tell you, first-hand, the kind of performance they are getting, and the kind you can expect from International Trucks.

INTERNATIONAL HARVESTER COMPANY
(Incorporated)

180 North Michigan Avenue

Chicago, Illinois

INTERNATIONAL TRUCKS

PROCESSING *Methods*

Shrinkage Costs

Material below completes the handy tabulation of smoked meat shrinkage costs which began in THE NATIONAL

PROVISIONER of December 9, page 17. This table will save the meat plant employee much pencil work when computing amount per cwt. which must be added to price of S. P. product to cover

cost of weight losses in smoking. It will be noted that the shrinkage range is from 2 to 16 per cent. Thus the table includes lower shrinkage percentages for new process product.

Amount per cwt. which must be added to cover cost of weight losses in converting sweet pickle (long or short cure) pork products into smoked pork items. The table may be used in figuring the costs for hams, bacon, picnics, butts or any other smoked meat, as will be noted from the explanation.*

Market Price per cwt. of S. P. Product.	Shrinkage															
	2%	3%	4%	5%	6%	7%	8%	9%	10%	11%	12%	13%	14%	15%	16%	
15.25	.31	.47	.64	.80	.97	1.15	1.33	1.51	1.70	1.88	2.08	2.28	2.48	2.69	2.91	
15.50	.32	.48	.65	.82	.99	1.17	1.35	1.53	1.72	1.92	2.11	2.32	2.52	2.74	2.95	
15.75	.32	.49	.66	.83	1.00	1.19	1.37	1.56	1.75	1.95	2.15	2.35	2.56	2.78	3.00	
16.00	.33	.49	.67	.84	1.02	1.20	1.39	1.58	1.78	1.98	2.18	2.39	2.60	2.82	3.05	
16.25	.33	.50	.68	.86	1.04	1.22	1.41	1.61	1.81	2.01	2.22	2.43	2.65	2.87	3.10	
16.50	.34	.51	.69	.87	1.05	1.24	1.43	1.63	1.83	2.04	2.25	2.47	2.69	2.91	3.14	
16.75	.34	.52	.70	.88	1.07	1.26	1.46	1.66	1.86	2.07	2.28	2.50	2.73	2.96	3.19	
17.00	.35	.53	.71	.89	1.09	1.28	1.48	1.68	1.89	2.10	2.32	2.54	2.77	3.00	3.24	
17.25	.35	.53	.72	.91	1.10	1.30	1.50	1.71	1.92	2.13	2.35	2.58	2.81	3.04	3.29	
17.50	.36	.54	.73	.92	1.12	1.32	1.52	1.73	1.95	2.16	2.39	2.62	2.85	3.09	3.33	
17.75	.36	.55	.74	.93	1.13	1.34	1.54	1.76	1.97	2.19	2.42	2.65	2.89	3.13	3.38	
18.00	.37	.56	.75	.95	1.15	1.36	1.57	1.78	2.00	2.22	2.46	2.69	2.93	3.18	3.43	
18.25	.37	.56	.76	.96	1.17	1.37	1.59	1.80	2.03	2.26	2.49	2.73	2.97	3.22	3.48	
18.50	.38	.57	.77	.97	1.18	1.39	1.61	1.83	2.06	2.29	2.52	2.77	3.01	3.27	3.52	
18.75	.38	.58	.78	.99	1.20	1.41	1.63	1.85	2.09	2.32	2.56	2.80	3.05	3.31	3.57	
19.00	.39	.59	.79	1.00	1.21	1.43	1.65	1.88	2.11	2.35	2.59	2.84	3.09	3.35	3.62	
19.25	.39	.60	.80	1.01	1.23	1.45	1.67	1.90	2.14	2.38	2.63	2.88	3.13	3.40	3.67	
19.50	.40	.60	.81	1.03	1.25	1.47	1.70	1.93	2.17	2.41	2.66	2.92	3.17	3.44	3.71	
19.75	.40	.61	.82	1.04	1.26	1.49	1.72	1.95	2.20	2.44	2.69	2.95	3.22	3.49	3.76	
20.00	.41	.62	.83	1.05	1.28	1.51	1.74	1.98	2.22	2.47	2.73	2.99	3.26	3.53	3.81	
20.25	.41	.63	.84	1.07	1.29	1.52	1.76	2.00	2.25	2.50	2.76	3.03	3.30	3.57	3.86	
20.50	.42	.63	.85	1.08	1.31	1.54	1.78	2.03	2.28	2.53	2.80	3.06	3.34	3.62	3.91	
20.75	.42	.64	.86	1.09	1.33	1.56	1.80	2.05	2.31	2.56	2.83	3.10	3.38	3.66	3.95	
21.00	.43	.65	.88	1.11	1.34	1.58	1.83	2.08	2.34	2.60	2.86	3.14	3.42	3.71	4.00	
21.25	.43	.66	.89	1.12	1.36	1.60	1.85	2.10	2.36	2.63	2.90	3.18	3.46	3.75	4.05	
21.50	.44	.66	.90	1.13	1.37	1.62	1.87	2.13	2.39	2.66	2.93	3.21	3.50	3.79	4.10	
21.75	.44	.67	.91	1.14	1.39	1.64	1.89	2.15	2.42	2.69	2.97	3.25	3.54	3.84	4.14	
22.00	.45	.68	.92	1.16	1.41	1.66	1.91	2.18	2.45	2.72	3.00	3.29	3.58	3.88	4.19	
22.25	.45	.69	.93	1.17	1.43	1.68	1.93	2.20	2.47	2.75	3.03	3.33	3.62	3.93	4.24	
22.50	.46	.70	.94	1.18	1.44	1.69	1.96	2.23	2.50	2.78	3.07	3.36	3.66	3.97	4.29	
22.75	.46	.70	.95	1.20	1.45	1.71	1.98	2.25	2.53	2.81	3.10	3.40	3.70	4.02	4.33	
23.00	.47	.71	.96	1.21	1.47	1.73	2.00	2.27	2.56	2.84	3.14	3.44	3.74	4.06	4.38	
23.25	.47	.72	.97	1.22	1.49	1.75	2.02	2.30	2.59	2.87	3.17	3.48	3.79	4.10	4.43	
23.50	.48	.73	.98	1.24	1.50	1.77	2.04	2.32	2.61	2.90	3.21	3.51	3.83	4.15	4.48	
23.75	.48	.73	.99	1.25	1.52	1.79	2.07	2.35	2.64	2.94	3.24	3.55	3.87	4.19	4.52	
24.00	.49	.74	1.00	1.26	1.53	1.81	2.09	2.37	2.67	2.97	3.27	3.59	3.91	4.24	4.57	
24.25	.49	.75	1.01	1.28	1.55	1.83	2.11	2.40	2.70	3.00	3.31	3.63	3.95	4.28	4.62	
24.50	.50	.76	1.02	1.29	1.57	1.84	2.13	2.42	2.72	3.03	3.34	3.66	3.99	4.32	4.67	
24.75	.50	.77	1.03	1.30	1.58	1.86	2.15	2.45	2.75	3.06	3.38	3.70	4.03	4.37	4.71	
25.00	.51	.77	1.04	1.32	1.60	1.88	2.17	2.47	2.78	3.09	3.41	3.74	4.07	4.41	4.76	
25.25	.52	.78	1.05	1.33	1.61	1.90	2.20	2.50	2.81	3.12	3.44	3.77	4.11	4.46	4.81	
25.50	.52	.79	1.06	1.34	1.63	1.92	2.22	2.52	2.84	3.15	3.48	3.81	4.15	4.50	4.86	
25.75	.53	.80	1.07	1.36	1.65	1.94	2.24	2.55	2.86	3.18	3.51	3.85	4.19	4.54	4.91	
26.00	.53	.80	1.08	1.37	1.66	1.96	2.26	2.57	2.89	3.21	3.55	3.89	4.23	4.59	4.95	
26.25	.54	.81	1.09	1.38	1.68	1.98	2.28	2.60	2.92	3.24	3.58	3.92	4.27	4.63	5.00	
26.50	.54	.82	1.10	1.39	1.69	2.00	2.30	2.62	2.95	3.28	3.61	3.96	4.31	4.68	5.05	
26.75	.55	.83	1.11	1.41	1.71	2.01	2.33	2.65	2.97	3.31	3.65	4.00	4.35	4.72	5.10	
27.00	.55	.83	1.13	1.42	1.73	2.03	2.35	2.67	3.00	3.34	3.68	4.03	4.40	4.77	5.14	
27.25	.56	.84	1.14	1.43	1.74	2.05	2.37	2.70	3.03	3.37	3.72	4.07	4.44	4.81	5.19	
27.50	.56	.85	1.15	1.45	1.76	2.07	2.39	2.72	3.06	3.40	3.75	4.11	4.48	4.85	5.24	
27.75	.57	.86	1.16	1.46	1.77	2.09	2.41	2.74	3.09	3.43	3.79	4.15	4.52	4.90	5.29	
28.00	.57	.87	1.17	1.47	1.79	2.11	2.43	2.77	3.11	3.46	3.82	4.19	4.56	4.94	5.33	
28.25	.58	.87	1.18	1.49	1.81	2.13	2.46	2.79	3.14	3.49	3.85	4.22	4.60	4.99	5.38	
28.50	.58	.88	1.19	1.50	1.82	2.15	2.48	2.82	3.17	3.52	3.89	4.26	4.64	5.03	5.43	
28.75	.59	.89	1.20	1.51	1.84	2.16	2.50	2.84	3.20	3.55	3.92	4.30	4.68	5.07	5.48	
29.00	.59	.90	1.21	1.53	1.85	2.18	2.52	2.87	3.22	3.58	3.96	4.34	4.72	5.12	5.52	
29.25	.60	.90	1.22	1.54	1.87	2.20	2.54	2.89	3.25	3.62	3.99	4.37	4.76	5.16	5.57	
29.50	.60	.91	1.23	1.55	1.89	2.22	2.57	2.92	3.28	3.65	4.02	4.41	4.80	5.21	5.62	
29.75	.61	.92	1.24	1.57	1.90	2.24	2.59	2.94	3.31	3.68	4.06	4.45	4.84	5.25	5.67	
30.00	.61	.93	1.25	1.58	1.92	2.26	2.61	2.97	3.34	3.71	4.09	4.49	4.88	5.30	5.72	

*EXPLANATION—The left-hand column shows market prices per cwt. of S. P. product (hams, picnics, bellies, etc.). Other columns show various percentages of weight loss from shrinkage.

From your tests you know your average shrinkage from S. P. to smoked weight on each of these products. Use the column showing that percentage, and the dollar figure in that column opposite the market price of S. P. product will give you the amount you lose by shrinkage. This should be used in computing cost of the smoked meats.

This is only one cost item. Others to be figured include cost of labor in trucking, unloading, soaking, stringing, hanging, smoking and branding; also supplies, repairs, plant overhead, wrapping, packing, loading, delivery, selling and administrative expense, and profit.

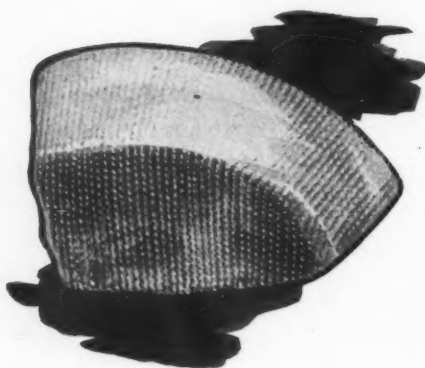
DID YOU KNOW...

... more than 15 million pounds of meat is consumed annually on railroad dining cars by the travelling public.

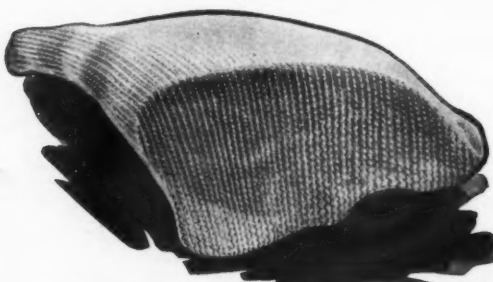


... for protecting meat, whether for dining car or home consumption, Bemis Stockinette is an important modern safeguard.

... it's good business to check with Bemis on Stockinette for no other source of supply can so adequately meet these three essential needs: (1) Quality (2) Service (3) Price.



... retailers prefer the Stockinette protected line because it is not soiled, finger marked or otherwise injured in handling ... and so they do not trim profits by trimming off otherwise saleable meat.



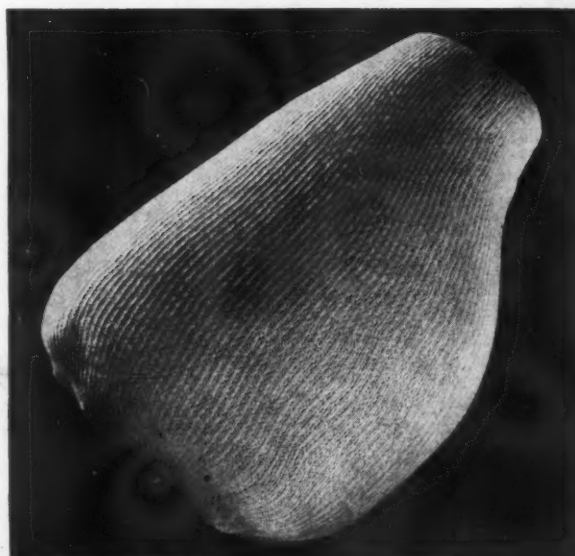
... Bemis Stockinette will help you maintain and increase sales on fore and hind quarters, rounds, calves, lambs, chucks, loins, hams, bacons, franks and wieners.

Let the Bemis representative explain the many advantages of Bemis Stockinette. Or phone or write for sample. There's a Bemis plant or office near you.

BEMIS BRO. BAG CO.

420 Poplar Street, St. Louis, Mo.

OFFICES: Boston • Brooklyn • Buffalo • Chicago • Denver • Detroit • Houston • Indianapolis • Kansas City • Los Angeles • Louisville • Memphis • Minneapolis • New Orleans • New York City • Norfolk, Va. • Oklahoma City • Omaha • Peoria • Salina, Kans. • Salt Lake City • San Francisco • Seattle • Wichita



Up and down the MEAT TRAIL

A. W. Ruf, Veteran Cudahy Purchasing Agent, Retires After 50 Years of Service

A. W. Ruf, general purchasing agent and a director of the Cudahy Packing Co., retired from active service on December 4 after more than 50 years with the company.



A. W. RUF

He was succeeded as purchasing agent by C. J. Carney, an assistant purchasing agent since 1920. Mr. Ruf entered the employ of the Armour-Cudahy Packing Co. in South Omaha, Neb., in 1889 as a file boy, remaining with the newly formed Cudahy Packing Co. when the partnership was dissolved in 1890. Mr. Ruf has been purchasing agent for the past 38 years and a company director since 1932.

It is estimated that Mr. Ruf, during his long service as purchasing agent for Cudahy, bought materials with a total value of over \$300,000,000. He plans to spend much of his time in

California, but will maintain a residence in Kenilworth, Ill., where he has long been prominent in civic affairs and where he served one term as mayor.

Oscar Mayer to Head Civic Organization for Third Time

Oscar G. Mayer, president, Oscar Mayer & Co., Chicago and Madison, Wis., has been nominated to succeed himself as president of the Chicago Association of Commerce. The election of Mr. Mayer to this office, which will follow as a formality, will launch him on his third successive term as head of the civic organization. This is an honor which has not been accorded any president of the association in more than ten years. Mr. Mayer's fine work in initiating the Greater Chicago plan and helping to develop it is said to have led to his selection for another presidential term.

New Advertising Department Is Inaugurated by Institute

Formation of a department of advertising, headed by Norman Draper, public relations director, has been announced by the Institute of American Meat Packers. Concerned only with the promotion of meat and meat products as such, without regard for brand or

company identification, the department will supply Institute members with statistical material, authoritative data regarding meat and meat products, their nutritive value, place in the diet, digestibility, and similar information to be utilized for advertising purposes. It will also supply this type of material in a form suitable for radio presentation.

Chicago News of Today

Annual banquet of Hide & Leather Association of Chicago, held at the Chicago Towers Club on Dec. 8, resulted in a fine turn-out of members and their friends. The following officers were unanimously re-elected for another year: Geo. H. Elliott, Geo. H. Elliott & Co., chairman of the board; Chas. F. Becking, Hide & Leather, president; Chas. Zitnik, H. Elkan & Co., vice president; Edw. P. Regel, American Tanning Co., secretary-treasurer; and Louis J. Huch, Huch Leather Co., sergeant-at-arms. Additional directors elected were H. Birkenstein, jr., Weil & Eisendrath Co.; F. J. Fabish, Swift & Company, and Edw. W. Emery, Chicago Rawhide Mfg. Co. Geo. Elliott acted as master of ceremonies at the floor show following the elections.

Henry P. Heffernan, well-known packinghouse broker, is now associated with Lacy Lee, Inc., Chicago brokerage firm.

W. C. Codling, vice president and general manager, Albany Packing Co., Albany, N. Y., visited Chicago this week.

Howard Reichel has been selected by Swift & Company as foreman of the company's new Prem manufacturing department. Mr. Reichel joined the Swift organization two years ago as a standards checker.

Milton Platt, whose sales experience with two large packers covers a quarter of a century, was in Chicago this week laying plans for his entrance into the packinghouse brokerage business in Philadelphia. Mr. Platt intends to handle canned meats, pork products and other packinghouse items.

Under the guidance of Dr. R. C. Newton, head of the research laboratory of Swift & Company, members of the Industrial Research Institute made a tour of the company's laboratory while in Chicago for their two-day winter meeting. H. S. Mitchell of the Swift research staff was among the speakers addressing sessions of the Institute.

Gerald Baxter, head of the beef department of Rath Packing Co., Waterloo, Ia., and A. B. Gunnarson, United States Chamber of Commerce, Washington, D. C., were among Chicago visitors of the week.

D. H. La Voi, department of public relations, National Live Stock and Meat



YES, THEY ARE MEAT PLANT WORKERS

These attractive girls are employees of the Emmart Packing Company, Louisville, Ky., who work in the sausage and sliced bacon departments. The girls were photographed following the big 4-H club party at the Emmart plant recently when they helped serve the young guests of Emmart officials.

Board, addressed a meeting of approximately 1,500 swine producers at Austin, Minn., this week, discussing ways in which the industry is opening new outlets for pork and lard.

Thomas E. Lattin, president, National School of Meat Cutting, Inc., Toledo, O., was a Chicago visitor this week.

New York News Notes

Dr. L. M. Tolman, technical and research department, Wilson & Co., Chicago, was a visitor in New York last week.

President John Holmes, Swift & Company, Chicago, spent a few days in New York last week.

An Eastern branch house and route car conference was held by John Morrell & Co. at the Biltmore hotel, New York, on December 12 and 13. J. R. Hinsey, manager, branch house department; T. W. Bailey, manager, Savory Foods division; A. B. Collier, manager, Eastern route car division; O. F. Matthews, small stock division; G. S. Wilson, manager, sausage department, and H. W. Davis, traffic department, all from Ottumwa, attended.

George A. Casey, president, John J. Felin & Co., Inc., Philadelphia, Pa., spent a few days in Norfolk, Va., during the past week.

T. D'Antonio and P. Raggi, formerly with the Central Provision Co., recently formed the T. & P. Provision Co. They held official opening of their new establishment on December 11 at 665 Brook ave., Bronx, N. Y. The firm will cut hogs and sell a full line of provisions and pork products.

Annual Christmas show of United Dressed Beef Co., New York City, will be staged this year on December 17. Advance preparations indicate that the show this year will surpass all previous events of this kind held by the company and the staff is looking forward to a large attendance.

Brooklyn branch of the New York State Association of Retail Meat Dealers observed its fiftieth anniversary early this month with a dinner and dance at the Towers hotel, Brooklyn. The crowd of 300 persons included officers representing every branch of the association in the city. Speakers were greeted by Anton Hehn, president of the Brooklyn branch.

Countrywide News Notes

Longino & Collins, Inc., meat packing and food manufacturing concern of New Orleans, La., has acquired a 20-acre tract in Jefferson parish for erection of a modern plant there. Construction is expected to begin in the spring. Cost of building and equipping the plant will be about \$250,000, according to R. K. Longino, president.

Fourteen drivers of Corkran, Hill & Co., Inc., meat packers of Baltimore, Md., were presented certificates and awards by L. G. Corkran, president of

the company, at a recent meeting in which tribute was paid to their safe driving records. The men have driven a total of 1,086,350 miles without an accident.

P. L. Robertson, long affiliated with operations in the meat packing industry, has established the Robertson Brokerage Co., at 1562 Olive Way, Seattle, Wash. Mr. Robertson's company will handle provisions, sausage materials, casings, tallow, greases, oils and hides. His local phone is Capitol 5727.

R. G. Denton, well known meat industry executive, and Mrs. Denton are "enjoying the sunshine and the ocean" in an extended winter vacation at Lakeworth, Fla.

Thomas J. Watson, manager of the Columbia, S. C., branch of Armour and Company, recently underwent an operation at Providence hospital. He is reported to be making satisfactory progress.

Eighth annual Christmas show of livestock and dressed meats from prize winning animals of the International Live Stock Exposition, Chicago, will be held on December 17 at the plant of New England Dressed Meat & Wool Co., Somerville, Mass. John P. Squire Co. and Swift & Company will participate

Business Is Good; Getting Better, Says Texas Packer

Nearing the close of its ninth month in business, the Haley Packing Co., Lufkin, Tex., reports business "very good and steadily increasing," in the words of Everett Haley, owner and manager of the plant. Formerly manager of the Lufkin Packing Co., Mr. Haley opened his own plant on March 1. The new plant is modern and efficient, having 18 employees at the present time and slaughtering about 125 head of livestock per week. The company produces a full line of fresh and cured meats and lunch meats. Plant is equipped with "Buffalo" sausage machinery. Sales representatives of the Haley Packing Co. cover all trade territory within a radius of 100 miles.



EVERETT HALEY



HALEY PACKING CO. PLANT

with an exhibition of their products. The exhibition will be directed by James Rose, general manager of the New England Dressed Meat plant.

Harris Packing Co., Seminole, Okla., celebrated its formal opening recently with an open house program, barbecue and entertainment. The company is producing fresh meats and its "Winner" brand line of sausage and specialties. It serves the city of Seminole and nine counties in that area. Paul Harris is president and general manager of the plant.

An overheated smokehouse at the Hygrade Food Products Corp. plant at Philadelphia, Pa., destroyed 150 prize hams averaging 25 lbs. each.

Twenty-one employees of Armour and Company at the Kansas City, Kas., plant recently received service awards of the Institute of American Meat Packers. The 50-year gold award was given to Joseph T. Lumpkin, foreman of the electric light department, while 25-year buttons were awarded to 13 plant workers and 7 office employees.

F. B. Mayo, retired manager of the Buffalo plant of the New England Dressed Meat & Wool Co., passed away on December 7 in Buffalo at the age of 79, following a prolonged illness. Mr. Mayo's affiliation with the company began in 1884. He became superintendent of the Buffalo plant in 1900, holding that position until his retirement in 1928.

Plant of the Public Packing Co., East Wenatchee, Wash., was recently destroyed by fire. Meat valued at about \$4,700 was lost in the blaze. The plant was operated by Earl Redlinger.

Charles H. Benedict, oldest pensioner of Swift & Company, celebrated his 105th birthday at his home in Columbiaville, N. Y., where he was visited by hosts of well-wishers. Among those paying their respects was a delegation from United Dressed Beef Co., New York, where Mr. Benedict worked until his retirement some 30 years ago.

Observed throughout the Armour and Company organization recently was the twentieth anniversary of the company's South St. Paul, Minn., plant, heralded at the time of its opening as "the most complete and most efficient livestock slaughtering and processing plant in the world." The plant has a daily capacity of 6,000 hogs, 1,100 cattle, 1,000 calves and 2,000 lambs. It employs nearly 2,000 persons, whose pay checks total about \$3,000,000 annually.

Agricultural board of the Greensboro, N. C., chamber of commerce is seeking to determine the feasibility of a meat packing plant in that city. Market and livestock surveys are being made by members of the committee in Greensboro and the Guilford County area.

Spencer Packing Co., Spencer, Ia., sausage manufacturing firm, is transferring operations to a new and up-to-date plant.

Construction is now under way on a new meat packing plant at Anniston, Ga., to be operated by Joe Fink and several associates.

In the News 40 Years Ago

(From The National Provisioner, December 16, 1899.)

While the holiday custom of Christmas beef is gradually going out of fashion because of the generally fine grade of all-the-year-around hand-fed beef now handled by "refrigerated" and "fresh dressed" dealers, there are still very fine specimens of Christmas beef to be seen annually in such large markets as New York City. A look through the abattoirs and in the coolers will soon convey this idea.

Lewis Samuels, treasurer of the United Dressed Beef Co., is expected back in New York early next week from the West, where he has gone to find the finest Xmas beef cattle to be had. He got a good bunch of the rare kind.

L. A. Carton, treasurer of Swift & Company, Chicago, is in New York on a sort of ante-holiday look around, and may pick up a novelty here and there to put in Santa Claus' sleigh for the old gentleman's Western trip.

Dold Packing Co., Wichita, Kan., has added the latest improved machinery in its pigs' feet pickling room, which will turn out this palatable relish in the finest quality and at tenfold speed.

A new industry is springing up in Kansas. It is a jack rabbit sausage factory. The trade awaits the new link with mixed emotions.

In the News 25 Years Ago

(From The National Provisioner, December 26, 1914.)

Government estimates of exports of meat products for the month of November show an increase of over \$2,000,000 in value of such exports as compared with November, 1913. This increase is evidently due to war conditions and necessities abroad, as the chief increases are in beef exports. On the other hand, exports of tallow, neutral lard, etc., show a decrease, indicating the effect of the war on ordinary commercial pursuits.

New plant of the Albert Lea Packing Co., Albert Lea, Minn., was opened on December 21. This plant is one of the most modern and up-to-date in the country for its size. George C. Voltz is manager and superintendent for the Sulzberger & Sons Co., who now control the property.

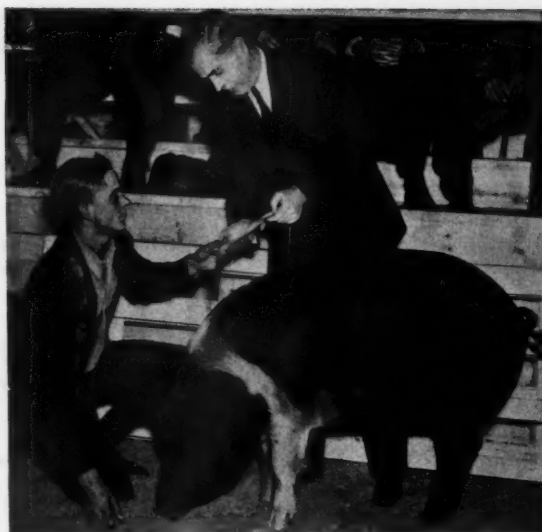
Thomas E. Wilson, president of Morris & Company, recently returned from a bear hunting and camping trip with "Daddy" Hunter. We have been informed that Mr. Wilson, to whom bear hunting is second nature, was very much in his element and a dangerous hazard to any bear bold enough to show his face.

Charles L. Field and Hugh G. Smith will establish a packing plant at Owensboro, Ky., in the near future.

Ralph W. E. Decker, Mason City, Iowa, was a visitor on 'Change this week. It was 18 below zero when he left Iowa and "go in' down."

SECRETARY WALLACE MAKES AWARD

"Bacon," chosen as best hog at the International, and his owner, Roger Amsler, a 4-H club boy from Indiana, receive the blue ribbon from Secretary of Agriculture Henry A. Wallace. The hog was an 8-month-old Hampshire barrow.



INSPECTING NEW DEPARTMENT

A. W. Paulin (right), president, Richter's Food Products, Inc., Chicago sausage manufacturers, looks over the company's new beef department with Ed Steinmeyer, manager. The department handles top grade, federally inspected carcass beef, specializing in small miscellaneous cuts.

MIDDIES LIKE THEIR FRANKS

Here's a toast to Navy victory in the recent Army-Navy game at Philadelphia, made with skinless frankfurts by Midshipmen Stephen Chepenekoo and William Simpson. Louis Burk, Inc., meat packer of Philadelphia, supplied this American sausage for the Nation's gridiron classic.



20 NEW MACKS

"BRING HOME THE BACON"



THE Cudahy Packing Company is famous for quality products and fine service. Mack is proud to be assigned to do its share in maintaining the service reputation of Cudahy.

Every morning, this fleet of 20 new Macks starts out from Los Angeles on a huge hauling job—assuring fresh daily supplies of Cudahy products to customers

within a territory embracing 15,000 square miles.

There are 10 Model EE's and 10 Model EF's in this Mack fleet—and every one of them can be depended upon to give the *efficient* operation Cudahy demands and the *money-saving* operation for which Mack is world famous. Send for full details of "Mack in the Food Industry."

Mack

MACK TRUCKS, INC., NEW YORK, N. Y.

REFRIGERATION *and Air Conditioning*

MEAT PLANT REFRIGERATION

A Complete Course for
Executives and Workers
Prepared by—

The National Provisioner

LESSON 46

The Ammonia Condenser

THE ammonia condenser is a heat transfer machine. There are no moving parts except in the evaporative type, which employs a fan driven by a small motor.

The ammonia condenser converts superheated ammonia gas from compressor into liquid ammonia. In other words, in passing through the latent heat stage, the gas changes to a liquid and gives up its heat to the cooling water circulated on the opposite side of the condenser pipes.

When the gas has been changed to a liquid it is ready for another cycle through the refrigerating system. The more rapidly ammonia gas is liquefied, the smaller is the charge of gas required to operate system. Another function of the condenser is absorption of heat by the condensing water which flows through it.

Absorption of this heat causes temperature of condensing water to rise. The split between temperatures of water entering and leaving condenser is a measure of amount of work accomplished, and serves as a guide in determining efficiency of the system. Amount of heat removed by the water is equivalent to that supplied by the ammonia gas. Knowing gallons of water pumped and temperature spread, as measured by thermometers, tonnage output of plant can be estimated readily.

Condenser Surface

The accompanying chart is used to determine ratio of heat removed in condenser to that absorbed in evaporator. This ratio is roughly 1.3 to 1. In other words, about 250 B. t. u. are absorbed per minute per ton of refrigeration for each 200 B. t. u. per minute released from evaporator, or low side. The 50 B. t. u. additional pick-up is the heat added by work expended on the gas as it

goes through compressor. Electricity required to drive compressor motor is transformed into heat by compressor, dissipated into condenser water, and is finally wasted to atmosphere.

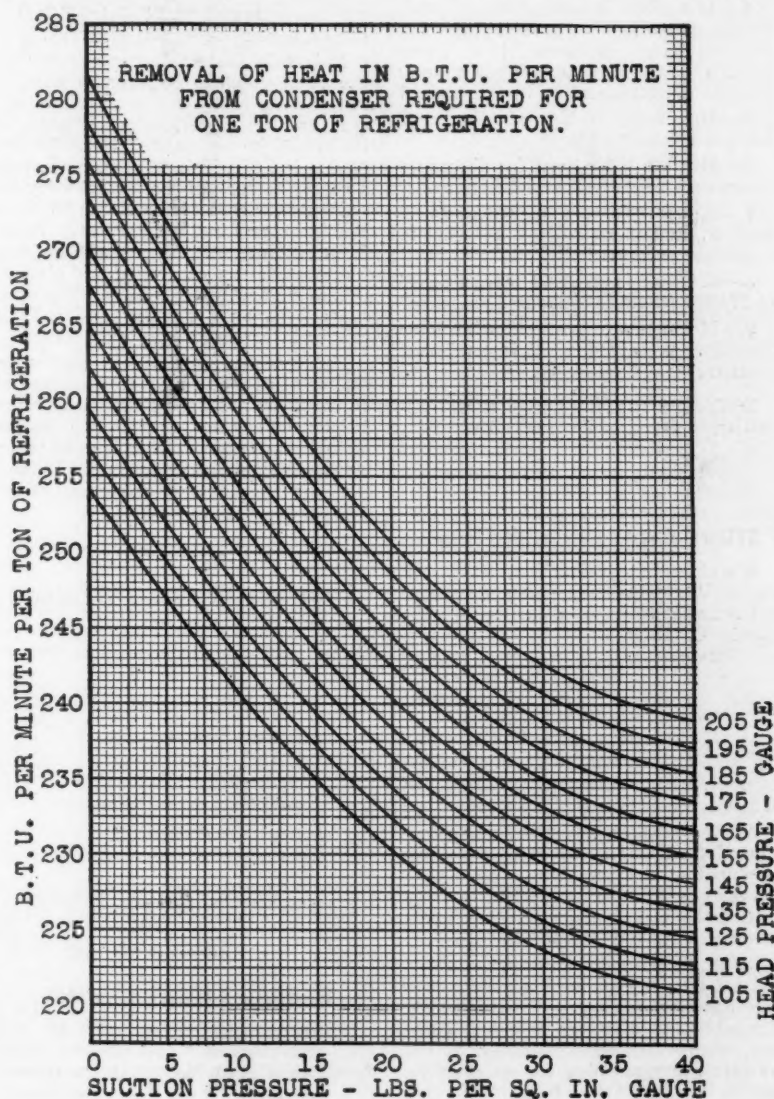
The condenser, therefore, is rated on a B. t. u. pick-up basis, depending on operating conditions. Ordinary variations are shown on the chart. It is good practice to provide a generous amount of condenser surface if plant is to function efficiently under all operating conditions. Large condenser surface results in low head pressure. The advantages of this are made clear by the rule-of-thumb formula, given previously, which states that for each 2 lbs. reduction in head pressure, or condenser pressure,

there is a corresponding saving of 1 per cent in power input.

However, condenser pressure depends on the rate at which heat is removed from the ammonia gas. If heat removal is faster than heat input, the pressure drops; if slower, the pressure rises. Amount of water, as well as its temperature and velocity, governs pressure.

Lower Head Pressure

The lower the head pressure, the lower is the temperature of the liquid anhydrous coming from condenser. This lower liquid temperature is reflected in a reduced amount of flash gas when liquid is cooled further to the temperature of evaporator. With less flash gas,



a higher back pressure can be carried on evaporator and still accomplish the same work, or refrigerating effect, per pound of liquid anhydrous evaporated.

A good rule by which to determine condenser pressure is: (Temperature of water on + temperature of water off) 1.25—30= condenser working gauge pressure.

This rule applies to condensers with average clean surfaces and little foreign gas, or what is known as excess pressure, explained in the lesson on non-condensable gases. Reducing temperature of liquid ammonia coming from condenser, or sub-cooling it 5 degs. F., increases capacity of plant 1 per cent.

QUESTIONS

(For the Student to Answer)

- 1.—Explain what is meant by "latent heat stage."
- 2.—Could any liquid, other than water, be used over condenser?
- 3.—What is the advantage of using water?
- 4.—If a plant is being operated with 20 lbs. gauge suction pressure and 145 lbs. discharge pressure, how many B. t. u. must be removed per minute per ton of refrigeration in the cooler?
- 5.—How many B. t. u. are there per ton per minute?
- 6.—Explain the reason for difference in answers to the last two questions.
- 7.—If water is on a condenser at 62 degs. F., and off at 72 degs. F., what is condenser pressure?
- 8.—If water is on at 62 degs., and off at 67 degs., what is condenser pressure?
- 9.—If amount of water flowing over condenser is halved, what is condenser pressure?

EDITOR'S NOTE.—Lesson 47 will discuss types of ammonia condensers.

STUDY CAR ICING METHODS

Working in conjunction with the North Western Refrigerator Line and the American Car & Foundry Co., the Liquid Carbonic Corp. is compiling a complete case history on use of refrigerator cars employing dry ice exclusively in the shipment of packaged frosted foods. Previous data already show that dry ice, without any circulating secondary refrigerant, will maintain satisfactory temperatures in a car of packaged frosted foods.

While special attention is being given frosted foods in the investigation, employment of dry ice alone is also considered efficient and economical in shipping fresh meats and other commodities requiring low temperatures.

Using a combination of crushed water ice and 30 per cent salt to refrigerate cars carrying packaged frosted fruits, vegetables, poultry and fish last summer, shippers found it necessary to re-ice cars every morning for satisfactory results. Refrigeration charges with this



ONE OF SIX TRUCKS IN NEW EASTERN FLEET

Model ED Mack truck illustrated is one of six of this type lately commissioned by Empire Bologna & Provision Co., Hoboken, N. J. The streamlined bodies carry 1,500 lbs. of product and are refrigerated with 300 lbs. of water ice. The units have attracted favorable attention on their routes in northern New Jersey.

method ranged from \$95 to \$105 per car on a fourth-morning delivery.

It is said that with straight dry ice the same job can be accomplished at lower cost, and that more even temperatures can be maintained. The water ice would be supplanted by 2,000 lbs. of dry ice, of which 400 lbs. represents a safety factor. In the straight dry ice refrigerator cars of the North Western Refrigerator Line, temperatures range from zero degs. to 55 degs. F. and are thermostatically controlled, air circulation being secured by means of an open space between a regular and a false ceiling in each car.

For loads of fresh meat and other commodities requiring a temperature of 36 to 44 degs. F., the formula calls for 150 lbs. of dry ice for each day the car is to be in transit. This is said to be more efficient and economical than standard ice and salt refrigeration requiring re-icing in transit.

PRODUCE IN COLD STORAGE

Cold storage holdings of butter, cheese, and eggs on hand December 1:

	Dec. 1, 1939.	Dec. 1, 1938.	Dec. 1, 1934-38.
	M lbs.	M lbs.	M lbs.
Butter, creamery	89,732	100,832	98,734
Butter, packing stock	31	280	422
Cheese, American	90,254	109,738	98,889
Cheese Swiss	6,125	6,109	5,296
Cheese, brick & Munster	925	523	749
Cheese, Limburger	1,152	981	969
Cheese, all other			
varieties	13,755	10,089	7,652
Eggs, shell, cases	1,580	1,439	2,197
Eggs, frozen	57,789	78,091	84,087
Eggs, frozen, case equivalent	2,508	2,231	2,402
Total case equivalent both shell & frozen	4,088	3,670	4,599

SAUSAGE MEAT CURING

Sausage meat curing methods are fully explained in "Sausage and Meat Specialties," THE NATIONAL PROVISIONER'S new book. Write for information.

PACKER AND FOOD STOCKS

Price ranges of listed stocks, December 13, 1939, or nearest previous date:

	Sales.	High.	Low.	Close.
	Week ended Dec. 13.	Dec. 13.	Dec. 13.	Dec. 13.
Amal. Leather..	1,700	2 1/4	2 1/4	2 1/4
Do. Pfd.	100	16	16	16 1/2
Amer. H. & L..	3,100	6 1/4	5 1/4	6 1/4
Do. Pfd.	100	35 1/4	35 1/4	35 1/4
Amer. Stores..	1,000	12 1/2	12	12 1/4
Armour Ill.	11,900	5 1/4	5 1/4	5 1/4
Do. Pr. Pfd..	100	47	45	47
Do. Del. Pfd..	100	103 1/4	103 1/4	104 1/4
Beechnut Pack.	200	124	124	124
Bohach, H. C.				2 1/4
Do. Pfd.	110	27	27	26
Chick. Co. Oil..	600	11 1/4	11	10 1/4
Childs Co.	2,200	5 1/4	5 1/4	5 1/4
Cudahy Pack...	700	14 1/4	13 1/4	14 1/4
Do. Pfd.	60	60	60	60
First Nat. Strs.	2,400	45	45	45 1/4
Gen. Foods	6,500	46 1/4	46 1/4	46 1/4
Do. Pfd.				115 1/4
Glidden Co.	1,900	17 1/4	17 1/4	17 1/4
Do. Pfd.				40
Gobel Co.	700	3 1/4	3	3 1/4
Gr. A&P 1st Pfd.	150	131	131	131
Do. New	250	110 1/4	109 1/4	110 1/4
Hormel, G. A.	50	29 1/4	29 1/4	29 1/4
Hygrade Food..				2 1/4
Kroger G. & B..	3,600	28 1/4	28 1/4	28 1/4
Libby McNeill..	2,350	6	6	5 1/4
Mickelberry Co.	550	3 1/4	3 1/4	3 1/4
M. & H. Pfd..	550	3 1/4	3 1/4	3 1/4
Morrell & Co.				45 1/4
Nat. Tea	600	3 1/4	3 1/4	3 1/4
Proc. & Gamb..	5,800	64 1/4	64 1/4	63 1/4
Do. Pfd.	150	118 1/4	118	118 1/4
Rath Pack.	200	45	45	42 1/4
Safeway Stra..	3,600	46 1/4	45 1/4	47 1/4
Do. 5% Pfd..	180	103	102 1/4	103
Do. 6% Pfd..	390	112 1/4	112 1/4	114 1/4
Do. 7% Pfd..	50	113 1/4	113	113 1/4
Stahl Meyer				20 1/4
Swift & Co.	6,300	20 1/4	20 1/4	20 1/4
Do. Intl.	1,700	31 1/4	31 1/4	30 1/4
Trunz Pork	100	8	8	8
U. S. Leather..	1,300	7	6 1/4	6 1/4
Do. A.	1,600	11 1/4	10 1/4	11 1/4
Do. Pr. Pfd..	100	65 1/4	65 1/4	65 1/4
United Sbk Yds.	1,400	2	2	2 1/4
Do. Pfd.	1,000	7 1/4	7 1/4	7 1/4
Wesson Oil	4,300	23 1/4	21 1/4	23 1/4
Do. Pfd.	600	65 1/4	65	63 1/4
Wilson & Co.	4,500	5 1/4	5 1/4	5 1/4
Do. Pfd.	400	51 1/4	51 1/4	51 1/4

FINANCIAL NOTES

Directors of Rath Packing Co. announce a quarterly dividend of 33 1/4¢ on the common stock of the company, payable January 2, 1940, to shareholders of record December 20.

An extra dividend of 25¢ has been declared on the common stock of Trunz Pork Stores. The payment will be made December 19.

You really do profit from *"Everything but the squeal"*



The Lixate installation illustrated above is in the plant of Louis Meyer Division, Stahl-Meyer, Inc., at Wyckoff Avenue, Brooklyn, N. Y. A second Lixator is in operation at this same company's Manhattan plant.

WHEN YOU USE THIS MODERN, ECONOMICAL AUTOMATIC PROCESS FOR MAKING BRINE

THE forgotten wit who said that the modern packing plant profits from everything in a pig but the squeal, did not know that industrial progress would develop still more ways to increase packing efficiency and profit. One of these modern ways to more profit is The Lixate Process For Making Brine.

It makes real savings—savings that you and your superintendent can see as readily as your book-keeper and auditor. You can see how much less labor, time, and supervision are required, the minute you examine The Lixate Process.

The reason—automatic operation.

1. You save in the cost of handling salt, for you handle salt only once—when it is placed in a hopper or a storage room above the Lixator.
2. You save in the cost of making brine. You need no labor, no power—for salt flows down by gravity, water enters under automatic control to dissolve the salt without agitation.
3. You save in costs of distributing brine. You use no labor to transport salt or brine to different parts of the plant, for Lixate Brine can readily be piped to any point where it is needed.
4. You save salt—users report savings of 10% to 20% in the amount of salt required.

These savings are yours—and important savings they are, too, whether your plant is large or small. Find out about this 4-way economy. A letter will bring a Lixate Engineer—with no obligation, of course—who can explain how much you can save in your own plant by this modern process. If you prefer, write for a copy of The Lixate Book, sent free on request. Study it. Talk it over with your superintendent and then write for detailed estimates of the surprisingly low cost for installing this profit making process.

The **LIXATE** Process
REG. U. S. PAT. OFF.

FOR MAKING BRINE

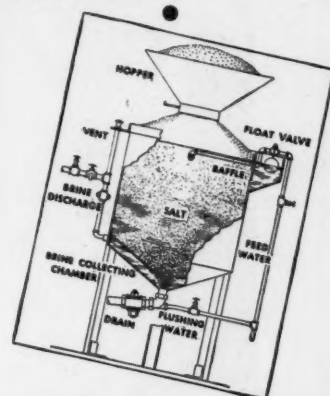
INTERNATIONAL SALT CO., INC., Scranton, Pa., New York, N. Y.

SALES OFFICES: Buffalo, N. Y. • Philadelphia, Pa. • Boston, Mass. • Baltimore, Md. • Pittsburgh, Pa. • Newark, N. J. • New York, N. Y. • Richmond, Va. • New Orleans, La. • Cincinnati, Ohio • St. Louis, Mo.



ALL KINDS OF SALT

International Salt Company, Inc., which developed The Lixate Process, produces every grade and type of salt. Three great mines at strategic geographical locations produce International's Retsof, Detroit and Avery brands of Rock Salt. Three modern refineries produce all types and grades of granulated salt (vacuum evaporated) and flake salt (grainer evaporated). You are invited to write to the Research Department of International Salt Company, Inc., about any use of salt or salt brine.



CROSS-SECTION DIAGRAM

The recommended grade of International Rock Salt flows by gravity from a hopper or hopper-bottom storage space, to the Lixator below. Water enters through a spray nozzle at the top, dissolves the salt without agitation, and becomes fully saturated brine. Brine is self-filtered, and rises in the collecting chamber to a discharge pipe. Automatic control of brine output controls the whole operation, which requires no power, no personal direction, and no labor except to keep the hopper filled with salt.



WRITE FOR THIS BOOK!

For more detailed information about The Lixate Process, and pictures of many installations, write for The Lixate Book. In it, you will find valuable information about salt brine—including a brine table which shows the density, strength and weight of brine at all temperatures. This alone would make this a valuable book for the leather tanner, and leather chemist. It will be sent free on request.



"Packaging is a business within a business, as you well know, John. So we decided we'd be ahead of the game working with an outfit that can offer us all the cooperation American Can does. One of our first benefits was a consultation with American Can Sales Engineers. Out of that came the innovations in our set-up which have resulted in a 20% increase in packaging efficiency. You ought to see what American Can can do for you."

CANCO

AMERICAN CAN COMPANY, 230 PARK AVENUE, NEW YORK, N. Y.

Lard Gains but Most Pork Cuts and Hogs Sell Lower

Lard futures make good advance at midweek—Hog prices fall as heavy runs continue—Joints and D. S. meats lower—Fresh pork and sausage materials decline.

TRADING in general was less active this week than it has been recently. The upturn in lard at midweek drew much attention, but the action and trend in prices of most meats was rather disappointing by comparison. Hog runs were liberal. Many smaller packers are approaching the end of their fiscal year, which coincides with the calendar year, and are inclined to reduce stocks; the same situation prevails among many jobbers.

LARD

Market for lard displayed a better tone during the week, due largely to decided strength in grain markets and rumors that the federal government was planning to buy large quantities of lard and fat backs over a period of time for relief purposes. These factors served to bring about heavy commission house buying and covering by shorts. Packer hedge selling and profit taking satisfied the demand. On Wednesday lard bulged as much as 40 points, with a little easing off on Thursday.

Export interest was quiet during the week, however, with the belief in trade circles that some business is being consummated all the time. There was no evidence of any large British demand in the market, but the feeling here and in the East was that some shipment of both lard and meats might be made for relief of civilian populations in Europe. The Federal Surplus Commodities Corporation is expected to decide on its proposed buying program before the end of this week.

There was a substantial trade in loose lard at Chicago during the week, with prices on Thursday as follows: Prime steam cash, 6.40c; loose, 5.87½c; neutral, 7.87½c; refined, 7.62½c; and raw leaf, 5.87½c.

At New York trade was good but prices very irregular. Choice western was quoted at 7.10@7.20c; middle western, 7.10@7.20c; New York City in tierces, 6% @ 6½c, tubs, 6% @ 6½c; refined continent, 7@7½c; South America, 7½@7¾c; Brazil kegs, 7¼@7½c. Shortening in car lots was 9¼c and in smaller lots 9½c.

HOGS

Hog receipts were heavy this week and prices eased off further, good light hogs suffering least decline but most kinds selling down from 10c to 20c compared with a week ago. High top for the week at Chicago was \$5.55, made on Wednesday. This dropped 5c on Thursday. Average price did not go above

\$5.25 on any day, and on the last day of the period it was \$5.15. General quality was good and most heavier hogs received at Chicago showed the result of plenty of corn feeding. Packing sows constituted approximately 6 to 8 per cent of the runs. Some let-up in marketings is looked for during the balance of the month, with rather heavy receipts expected through January. However, should government relief buying for domestic use start on a fairly large scale and purchases be made for civilian population abroad, these should prove to be good price supports even in the face of heavy receipts. There is considerable reason to believe that the bot-

(Continued on page 46.)

PORK AND LARD EXPORTS

While pork and lard exports from the United States during October, 1939, were smaller than in the corresponding month of 1938, for the first ten months of 1939 they were far in excess of the like period a year earlier. Lard exports showed a large increase for the ten months, totaling 232,648,586 lbs., which was 73,252,546 lbs. more than in the 1938 period. Exports of beef were small.

The U. S. Department of Agriculture reported exports for October and the first ten months of 1939, compared with 1938, as follows:

OCTOBER EXPORTS.		
	Oct., 1939.	Oct., 1938.
	lbs.	lbs.
Pork—		
Fresh and frozen.....	1,748,556	486,871
Cumberland and Wiltshire sides.....	282,993	353,913
Hams and shoulders.....	2,028,892	3,106,044
Bacon.....	777,008	1,080,744
Pickled.....	1,379,067	1,579,428
Canned.....	392,233	653,664
Total pork.....	6,008,559	7,260,664
Lard.....	19,061,200	21,071,115
Sausage.....	303,729	173,601
Sausage ingredients.....	299,611	179,536
Beef—		
Beef and veal, fresh.....	558,544	281,906
Beef, cured.....	901,163	805,011
Beef, canned.....	86,905	161,020
Total beef and veal.....	1,546,612	1,247,937
10 MONTHS EXPORTS.		
Pork—		
Fresh and frozen.....	22,056,327	6,046,676
Cumberland and Wiltshire sides.....	3,207,675	968,133
Hams and shoulders.....	51,691,006	43,517,553
Bacon.....	8,288,589	7,521,086
Pickled.....	12,044,843	11,361,777
Canned.....	7,560,168	7,092,180
Total pork.....	104,849,208	76,507,405
Lard.....	232,648,586	169,396,040
Sausage.....	2,525,943	2,065,449
Sausage materials.....	2,252,887	1,522,060
Beef—		
Beef and veal, fresh.....	4,696,028	3,543,871
Beef, cured.....	6,379,142	5,773,402
Beef, canned.....	1,287,261	1,684,022
Total beef.....	12,362,431	11,001,295

Meat-Lard Stocks Rise in November

MEAT stocks on December 1 were larger than on November 1 and December 1, 1938, but were small compared with stocks on the same date in most earlier years. In fact, only three times since 1916 have stocks of pork been as small as they were on December 1 this year. The total was 24,000,000 lbs. above November 1 and 33,000,000 lbs. greater than a year ago, but 46,000,000 lbs. smaller than the average for December 1 in the last five years.

This is significant since a relatively small number of hogs was processed during the five-year period.

Lard stocks on December 1 were high for that date; only three times in more than 20 years have they been as high on December 1.

Stocks of meat and lard on December 1, compared with the same date last year and the average for December 1 in the last five years:

	Dec. 1, '39 lbs.	Dec. 1, '38 lbs.	5-yr. avg. Dec. 1, lbs.
Lard.....	88,540,000	74,499,000	71,793,000
Frozen pork.....	87,537,000	73,771,000	95,560,000
D. S. pork.....	44,813,000	34,739,000	40,170,000
S. P. pork.....	200,007,000	190,632,000	243,180,000
All pork.....	332,357,000	299,142,000	378,860,000
All beef.....	66,925,000	52,637,000	96,653,000
Frozen and cured trimmings.....	68,985,000	54,251,000	75,105,000
Lamb and mutton, frozen..	4,190,000	3,171,000	4,251,000
Total meat.....	472,457,000	409,201,000	533,869,000

Stocks on December 1 compared with November 1, 1939:

	Dec. 1, '39 lbs.	Nov. 1, '39 lbs.
Frozen pork.....	87,537,000	63,608,000
D. S. pork, in process.....	29,554,000	26,553,000
D. S. pork, cured.....	15,250,000	16,896,000
S. P. pork, in process.....	133,653,000	111,302,000
S. P. pork, cured.....	66,354,000	54,296,000
Lard.....	88,540,000	68,738,000

Beef and pork placed in cure during November this year, a year ago, and the average for November of the past five years:

	Nov., '39 lbs.	Nov., '38 lbs.	5 yr. Nov. av., lbs.
Beef, frozen..	29,607,000	21,978,000	38,199,000
Beef in cure..	7,550,000	8,163,000	9,221,000
Total beef..	37,157,000	30,141,000	47,420,000
Pork, frozen..	61,296,000	50,707,000	60,903,000
Pork to dry salt.....	46,108,000	39,132,000	38,093,000
Pork to S. P. cure.....	190,918,000	154,577,000	145,129,000
Total pork..	298,322,000	244,416,000	244,725,000
Lamb and mutton, frozen..	1,431,000	1,025,000	1,689,000

U. S. MEATS TO CANADA

Canadian meat imports from U. S. in October were:

	Oct., 1939, lbs.	Oct., 1938, lbs.
Beef.....	993	10,992
Bacon and ham.....	33,302	4,176
Pork.....	1,871,700	941,824
Mutton and lamb.....	180	223
Canned meats.....	3,148	2,339
Lard.....	60,408	60,000
Lard compound.....	162,943	5,968

Hog Cut-Out Results

ALL averages of good hogs cut at a slight profit this week. Runs were heavy, demand for product was only fair and packers showed little inclination to pay more for hogs than they could visualize in product values.

Good butchers were numerous, particularly the heavier kinds, while there were fewer light hogs weighing up to 210 lbs. Demand was fairly strong from buyers wanting fairly lean hogs in the latter weight range. Hogs weighing 180 to 200 lbs. were in greatest demand and commanded best prices throughout the period. Butchers scaling over 230 lbs. suffered the greatest price penalty this week.

Top for the week at \$5.55 was made on Wednesday; \$5.50 was paid on Monday and Thursday and the low top of \$5.40 was made on Tuesday. Average price on Monday and Tuesday stood at \$5.20. Average moved to \$5.25 on Wednesday and dropped to \$5.15 on Thursday. Hogs weighing under 220 lbs. showed a decline of 10¢ to 20¢ from a week ago, weightier butchers were 15¢ to 25¢ lower and sows were down 25¢ to 35¢. The latter class made up 6 to 8 per cent of the runs.

Receipts for the four-day period at 11 markets were 408,000 head. This total was 10,000 less than a week ago, 91,000 more than a year ago and 52,000 under receipts in the like period two years ago.

The sample test shown here is worked

out on the basis of the Chicago market with average costs and by-products credits. The test applies only to good hogs of the weights shown.

CURED PORK PRICES

Prices at Chicago, November, 1939, reported by U. S. Dept. of Agriculture:

	Nov. 1939.	Oct. 1939.	Nov. 1938.
Hams, smoked, reg. No. 1—			
8-10 lbs. av.	\$18.90	\$19.38	\$21.60
10-12 lbs. av.	18.90	19.38	21.30
12-14 lbs. av.	18.35	19.38	20.50
14-16 lbs. av.	18.30	19.75	20.50
Hams, smoked, reg. No. 2—			
8-10 lbs. av.	17.25	17.75	19.70
10-12 lbs. av.	17.25	17.75	19.70
12-14 lbs. av.	16.85	17.75	18.40
14-16 lbs. av.	17.05	18.50	18.40
Hams, smoked, skinned, No. 1—			
16-18 lbs. av.	20.40	22.12	22.50
18-20 lbs. av.	20.40	21.12	22.50
Hams, Smoked, skinned, No. 2—			
16-18 lbs. av.	19.10	20.12	20.95
18-20 lbs. av.	19.90	20.12	20.55
Bacon, smoked, No. 1 dry cure—			
6-8 lbs. av.	17.90	19.00	22.30
8-10 lbs. av.	17.20	18.25	22.30
Bacon, smoked, No. 2 dry cure—			
8-10 lbs. av.	14.90	15.38	19.10
10-12 lbs. av.	14.40	14.62	19.10
Picnics, smoked,			
4-8 lbs. av.	14.45	15.60	16.20
Backs, dry salt,			
12-14 lbs. av.	6.20	7.19	8.40
Lard—			
Refined, H. W. tubs.	7.20	8.00	8.33
Substitutes.	9.50	9.72	9.75
Refined, 1 lb. cartons.	7.25	8.25	8.70

CASING IMPORTS AND EXPORTS

Foreign trade in casings during October is reported as follows by the U. S. Department of Commerce:

IMPORTS.			
	Sheep, lamb and goat, lbs.	Other, lbs.	
France	653	1,298	
United Kingdom	11,181	2,188	
Canada	17,966	336,820	
Argentina	57,108	939,232	
Brazil	12,067	61,220	
Chile	2,388	172	
Paraguay	6,801	98,173	
Peru	7,754	1,257	
Uruguay	1,868	11,841	
British India	8,023	24,587	
China	1,035	1,794	
Iraq	4,420	.....
Pakistan	11,586	.....
Syria	4,589	.....
Other Asia	135,350	82,246	
Australia	79,572	.....
New Zealand	5,548	.....
Egypt	1,307	.....
Tunisia	40,760	.....
Morocco	1,017	410	
Other .....	.....	.....
Total	411,824	1,510,208	
Value	\$390,589	\$104,569	
EXPORTS.			
	Hog, lbs.	Beef, lbs.	Other, lbs.
Belgium	50,614	17,542	.....
Italy	95,285	121,017	.....
Netherlands	31,182	16,796	.....
Norway	865	89,857	7,059
Sweden	16,185	209,253	19,130
Switzerland	4,145	238,989	872
United Kingdom	390,705	25,566	38,549
Canada .....	.....	1,165	59,255
Panama .....	.....	14,450	.....
Cuba .....	.....	15,054	5,055
Dominican Republic .....	.....	3,000	75
French West Indies .....	.....	25,000	.....
Australia	87,942	.....	12,898
New Zealand	19,530	.....	.....
Union of So. Africa	30,263	.....	18,247
Others	110	15	1,165
Total	726,756	778,304	160,804
Value	\$331,462	\$83,065	\$84,564

HOW SHORT FORM HOG CUTTING TEST RESULTS ARE FIGURED

(Hog prices and product values based on THE NATIONAL PROVISIONER DAILY MARKET SERVICE, cutting percentages taken from actual tests in Chicago plants.)

	Per Cent live wt.	Price per lb.	Value per cwt. alive	Per Cent live wt.	Price per lb.	Value per cwt. alive	Per Cent live wt.	Price per lb.	Value per cwt. alive
180-220 lbs.			220-240 lbs.			270-300 lbs.			
Regular hams	14.00	11.7	\$ 1.64	13.70	11.5	\$ 1.58	13.50	11.4	\$ 1.54
Picnics	5.60	8.6	.48	5.40	8.3	.45	5.10	8.2	.42
Boston butts	4.00	9.2	.37	4.00	9.0	.36	4.00	8.8	.35
Loins (blade in)	9.80	10.6	1.04	9.60	10.5	1.01	9.10	10.4	.95
Bellies, S. P.	11.00	9.9	1.09	9.70	9.6	.93	3.10	7.3	.22
Bellies, D. S. ....	.....	.....	.....	2.00	6.0	.12	9.90	5.8	.57
Fat backs	1.00	3.3	.03	3.00	3.6	.11	4.50	3.9	.18
Plates and jowls	2.50	3.6	.09	3.00	3.6	.11	3.30	3.6	.12
Raw leaf	2.10	5.4	.11	2.20	5.4	.12	2.10	5.4	.11
P. S. lard, rend, wt.	12.40	5.7	.71	11.00	5.7	.63	10.20	5.7	.58
Spareribs	1.60	7.6	.12	1.60	7.5	.12	1.50	7.4	.11
Trimnings	3.00	4.8	.14	2.80	4.8	.13	2.70	4.8	.13
Feet, tails, neckbones	2.00	.....	.06	2.00	.....	.06	2.00	.....	.06
Offal and misc. ....	.....	.....	.23	.....	.....	.23	.....	.....	.23
TOTAL YIELD AND VALUE...	69.00		\$ 6.11	70.00		\$ 5.96	71.00		\$ 5.57
Cost of hogs per cwt.		\$ 5.39			\$ 5.32			\$ 5.07	
Condemnation loss .....		.03			.03			.03	
Handling and overhead .....		.50			.43			.35	
TOTAL COST PER CWT ALIVE		\$ 5.92			\$ 5.78			\$ 5.45	
TOTAL VALUE		6.11			5.96			5.57	
Profit per cwt. ....		.19			.18			.12	
Profit per hog .....		.38			.41			.34	

WEEK'S TRADING IN LARD

Fri., Dec. 8.—Sales: Dec., 1; Jan., 9; Mar., 6; May, 46; July, 8; total, 70 sales.

Open interest: Dec., 5; Jan., 338; Mar., 119; May, 613; July, 109; total, 1184 lots.

Sat., Dec. 9.—Sales: Dec., 2; Jan., 1; Mar., 3; May, 22; July 12; total, 40 sales.

Open interest: Dec., 5; Jan., 337; Mar., 120; May, 618; July, 117; total, 1197 lots.

Mon., Dec. 11.—Sales: Jan., 20; Mar., 5; May, 30; July, 25; total, 80 sales.

Open interest: Dec., 4; Jan., 321; Mar., 118; May, 623; July, 133; total, 1199 lots.

Tues., Dec. 12.—Sales: Jan., 6; Mar., 7; May, 56; July, 6; total, 75 sales.

Open interest: Dec., 4; Jan., 316; Mar., 118; May, 636; July, 136; total, 1210 lots.

Wed., Dec. 13.—Sales: Dec., 1; Jan., 19; Mar., 18; May, 133; July, 29; total, 200 sales.

Open interest: Dec., 3; Jan., 304; Mar., 130; May, 704; July, 145; total, 1286 lots.

Thurs., Dec. 14.—Sales: Dec., 1; Jan., 14; Mar., 18; May, 81; July, 26; total, 140 sales.

Open interest: Dec., 4; Jan., 297; Mar., 136; May, 726; July, 159; total, 1322 lots.

MEAT IMPORTS AT NEW YORK

Imports for the period November 30 to December 6, inclusive, at New York:

Point of origin.	Commodity.	Amount, lbs.
Argentina—Canned corned beef	109,837
—Beef extract in tins	5,600
—Cured beef	198
Australia—Fresh frozen beef cuts	271
Brazil—Canned corned beef	671,064
Canada—Fresh chilled pork cuts	1,980
—Fresh frozen ham	26,987
—Fresh pork bellies	1,294
—Fresh pork tenderloins	1,740
—Canned cooked ham	1,405
—Smoked sausage	450
—Smoked bacon	3,427
Cuba—Fresh frozen beef cuts	40,198
—Fresh frozen beef tenderloins	84
—4 Quarters fresh frozen beef	584
Holland—Smoked ham	2,122
Italy—Beef bouillon cubes	289
Paraguay—Canned corned beef	159,300
—Canned roast beef	9,000
Rumania—Cooked ham in tins	197,702
—Cooked pork in tins	14,616
—Cooked picnic in tins	87,526
—Tinned cooked pork butts	5,600
Uruguay—Canned corned beef	917,948

BRITISH MEAT CONTRACT

Under a new contract, Uruguay will deliver 12,000 tons of beef and 9,000 tons of mutton to Great Britain during November and December, 1939, and January and February, 1940. The meat will cost Great Britain \$862,938. According to the American consulate general at Montevideo, these prices are estimated to be 23 per cent below recent prices in the Montevideo stock yards. The Uruguayan government has decided to pay stock raisers an amount sufficient to offset this apparent loss out of exchange profits on meats.

CHICAGO PROVISION MARKETS

CASH PRICES

Based on actual carlot trading Thursday, December 14, 1939.

REGULAR HAMS.

	Green.	*S.P.
8-10	14	14 1/2 n
10-12	14	14 1/2 n
12-14	12 1/2	12 1/2 n
14-16	12	12 1/2 n
16-18	12 1/2	12 1/2 n

BOILING HAMS.

	Green.	*S.P.
16-18	11 1/2	12 1/2
18-20	11 1/2	12 1/2
20-22	11 1/2	12 1/2
22-24	11 1/2	12 1/2
24-26	11 1/2	12 1/2
26-28	11 1/2	12 1/2
28-30	11 1/2	12 1/2
30-up, No. 2's inc.	10 1/2	12 1/2

SKINNED HAMS.

	Green.	*S.P.
10-12	14	15
12-14	13 1/2	14 1/2
14-16	13 1/2	14 1/2
16-18	12 1/2 @ 13	14 1/2
18-20	12 1/2 @ 13	14 1/2
20-22	12 1/2 @ 13	14 1/2
22-24	12 1/2 @ 13	14 1/2
24-26	12 1/2	14 1/2
26-28	12 1/2	14 1/2
28-30	11	12
30-up, No. 2's inc.	10 1/2	12 1/2

PICNICS.

	Green.	*S.P.
4-6	9 1/2	10
6-8	8 1/2 @ 8 1/2	9 1/2
8-10	8 1/2	9 1/2
10-12	8 1/2	9 1/2
12-14	7 1/2 @ 8	9 1/2
14-16	7 1/2	9 1/2
16-18	7 1/2	9 1/2
18-20	7 1/2	9 1/2
20-22	7 1/2	9 1/2
22-24	7 1/2	9 1/2
24-26	7 1/2	9 1/2
26-28	7 1/2	9 1/2
28-30	7 1/2	9 1/2
30-up, No. 2's inc.	7 1/2	9 1/2

Short Shank 1/2 c over.

BELLIES.

(Square cut seedless)

	Green	*D.C.
6-8	10 1/2	11 1/2
8-10	10 1/2	11 1/2
10-12	9 1/2	10 1/2
12-14	8 1/2	9 1/2
14-16	8 1/2	9 1/2
16-18	7 1/2	8 1/2
18-20	7 1/2	8 1/2
20-22	7 1/2	8 1/2
22-24	7 1/2	8 1/2
24-26	7 1/2	8 1/2
26-28	7 1/2	8 1/2
28-30	7 1/2	8 1/2
30-up, No. 2's inc.	7 1/2	8 1/2

*Quotations represent No. 1 new cure.

GREEN AMERICAN BELLIES.

18-20	7
20-22	6 1/2

D.S. BELLIES.

	Clear.	Rib.
16-18	7 n	7 n
18-20	6 1/2 n	7 n
20-22	6 1/2 n	7 n
22-24	6 1/2 n	7 n
24-26	6 1/2 n	7 n
26-28	6 1/2 n	7 n
28-30	6 1/2 n	7 n
30-up	6 1/2 n	7 n

D.S. FAT BACKS.

6-8	4 1/2
8-10	4 1/2
10-12	4 1/2
12-14	4 1/2
14-16	4 1/2
16-18	4 1/2
18-20	4 1/2
20-22	4 1/2
22-24	4 1/2
24-26	4 1/2
26-28	4 1/2
28-30	4 1/2
30-up	4 1/2

OTHER D.S. MEATS.

Regular Plates	6-8	5 1/2 n
Clear Plates	4-6	4 1/2
D. S. Jowl Butts	.....	4 1/2
S. P. Jowls	.....	4 1/2
Green Square Jowls	.....	4 1/2
Green Rough Jowls	.....	4 1/2 @ 4 1/2

LARD.

Prime Steam, cash	6.40n
Prime Steam, loose	5.87 1/2 b
Neutral, in tierces	7.87 1/2 n
Raw Leaf	5.87 1/2 n

FUTURE PRICES

SATURDAY, DECEMBER 9, 1939.

	Open.	High.	Low.	Close.
LARD—				
Dec. ...	6.20	.....	.....	6.20
Jan. ...	6.30	.....	.....	6.30ax
Mar. ...	6.67 1/2	6.72 1/2	6.67 1/2	6.72 1/2 ax
May ...	6.85	6.90	6.80	6.85ax
July ...	7.02 1/2	7.07 1/2	6.97 1/2	7.00ax

CLEAR BELLIES—				
Jan. ...	.....	.....	.....	6.85b
Mar. ...	.....	.....	.....	7.15b
May ...	7.55	.....	.....	7.55
July ...	7.75	.....	.....	7.75ax

MONDAY, DECEMBER 11, 1939.

LARD—				
Dec. ...	.....	.....	.....	6.07 1/2 ax
Jan. ...	6.22 1/2	6.22 1/2	6.12 1/2	6.12 1/2 b
Mar. ...	6.65	6.65	6.60	6.62 1/2 ax
May ...	6.85	6.85	6.75	6.75ax
July ...	7.00	7.00	6.90	6.90ax

CLEAR BELLIES—				
Jan. ...	.....	.....	.....	6.85n
Mar. ...	.....	.....	.....	7.15n
May ...	7.55	7.55	7.50	7.50ax
July ...	.....	.....	.....	7.75ax

TUESDAY, DECEMBER 12, 1939.

LARD—				
Dec. ...	.....	.....	.....	5.97 1/2 ax
Jan. ...	6.05	6.10	6.05	6.10
Mar. ...	6.55	6.57 1/2	6.55	6.57 1/2 ax
May ...	6.70-67 1/2	6.72 1/2	6.67 1/2	6.70b
July ...	6.85	6.87 1/2	6.85	6.87 1/2 ax

CLEAR BELLIES—				
Jan. ...	6.75	.....	.....	6.75
Mar. ...	.....	.....	.....	7.15ax
May ...	.....	.....	.....	7.45ax
July ...	7.70	7.70	7.65	7.65

WEDNESDAY, DECEMBER 13, 1939.

LARD—				
Dec. ...	6.32 1/2	6.35	6.30	6.35b
Jan. ...	6.27 1/2	6.47 1/2	6.27 1/2	6.47 1/2 b
Mar. ...	6.72 1/2	6.72 1/2	6.72 1/2	6.72 1/2
May ...	6.85-82 1/2	7.10	6.82 1/2	7.10ax
July ...	7.00	7.25	7.00	7.25

CLEAR BELLIES—				
Jan. ...	7.00	.....	.....	7.00
Mar. ...	.....	.....	.....	7.30b
May ...	7.50	7.60	7.50	7.60b
July ...	7.75	7.90	7.75	7.90

THURSDAY, DECEMBER 14, 1939.

LARD—				
Dec. ...	6.35	.....	.....	6.35b
Jan. ...	6.45	6.52 1/2	6.42 1/2	6.42 1/2
Mar. ...	6.85	6.97 1/2	6.85	6.90
May ...	7.10-07 1/2	7.15	7.05	7.07 1/2-05
July ...	7.25	7.30	7.22 1/2	7.22 1/2 ax

CLEAR BELLIES—				
Jan. ...	.....	.....	.....	7.00ax
Mar. ...	.....	.....	.....	7.30n
May ...	7.55	.....	.....	7.65
July ...	.....	.....	.....	7.90ax

FRIDAY, DECEMBER 15, 1939.

LARD—				
Dec. ...	6.35	.....	.....	6.35b
Jan. ...	6.30	6.40	6.30	6.40b
Mar. ...	6.90	6.97 1/2	6.87 1/2	6.92 1/2 ax
May ...	7.02 1/2-00	7.15	6.97 1/2	7.07 1/2
July ...	7.17 1/2	7.27 1/2	7.12 1/2	7.22 1/2-20

CLEAR BELLIES—				
Jan. ...	.....	.....	.....	6.95ax
Mar. ...	.....	.....	.....	7.30n
May ...	.....	.....	.....	7.65ax
July ...	.....	.....	.....	7.90n

Key—ax, asked; b, bid; n, nominal; —, split.

CASH AND LOOSE LARD

Prices of cash, loose and leaf lard on the Chicago Board of Trade:

	Cash.	Loose.	Leaf.
Saturday, Dec. 9.....	6.25n	5.75n	.....
Monday, Dec. 11.....	6.12 1/2 n	5.65n	5.75n
Tuesday, Dec. 12.....	6.02 1/2 n	5.55n	5.62 1/2 ax
Wednesday, Dec. 13....	6.40n	5.90n	5.87 1/2 n
Thursday, Dec. 14.....	6.40n	5.87 1/2 b	5.87 1/2 n
Friday, Dec. 15.....	6.40n	5.87 1/2 n	5.87 1/2 n

CHICAGO PROV. SHIPMENTS

Provision shipments from Chicago for week ended Dec. 9, 1939, were:

	Week Dec. 9.	Previous week.	Same time '38.
Cured meats, lbs.	13,492,000	13,461,000	15,165,000
Fresh meats, lbs.	54,761,000	59,452,000	54,301,000
Lard, lbs.	2,754,000	4,747,000	3,175,000

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Ford Motor Company, builders of Ford V-8 and Mercury Cars, Ford Trucks, Commercial Cars, Station Wagons, Transit Buses.

Tallow and Greases Steady in East; Advance in West

N. Y. extra sold at 5½¢—Sentiment improved by upturn in lard and oils—Prime sold at 5¾¢—Greases firmer—Cracklings and other by-products easier.

TALLOW.—The New York tallow market was very steady and turnover amounted to about 1,000,000 lbs. this week. Extra sold at 5½¢, delivered, or unchanged from the previous week. A good part of the trade passed quietly.

When lard, cottonseed oil, and other major commodities moved upward, tallow producers offered more lightly and their ideas stiffened. However, consumers were not inclined to follow any advance.

At New York, special was quoted at 5½¢; extra, 5½¢, and edible, 6¼¢@6½¢.

It was reported that renderers expect tallow prices to be considerably above the present level during the first quarter of 1940.

Tallow futures were quiet. There was a little switching and prices were up 15 to 25 points on the week. December and January were 5.40 bid and March and later months were 5.50 bid.

Tallow prices advanced ¼¢@½¢ in the Chicago market this week as offerings tightened with the upturn in lard. Prime tallow was reported sold at 5½¢, Chicago, at midweek. There was fair dealer interest. Market appeared firm on Thursday and packers were talking 6¢. Offerings were firmly held. Special was reported held at 5½¢ or higher; No. 1 was reported sold at 5½¢, Cincinnati. Chicago quotations Thursday:

Edible tallow.....	@5½¢
Fancy tallow.....	@5½¢
Prime packers.....	@5½¢
Special tallow.....	@5½¢
No. 1 tallow.....	5½¢

STEARINE.—The New York market for stearine was easier during the early part of the week; oleo sold at 6¼¢, or off ¼¢, with a couple of cars changing hands. Oleo was quoted later at 6¼¢@7¢.

The Chicago market was quiet and unchanged. Prime was quoted at 6½¢.

OLEO OIL.—Demand was slow at New York and the market was easy. Extra was quoted at 7¼¢@8¢; prime, 7@7½¢, and lower grades, 7@7¼¢.

Trade was rather slow at Chicago and prices were lower. Extra was quoted at 7½¢ and prime at 7¢.

LARD OIL.—Demand was slow but the market was steadier and unchanged at New York. No. 1 was quoted at 9¢; No. 2, 8¼¢; extra, 9¼¢; extra No. 1, 9¼¢; winter strained, 9¼¢; prime burning, 10¢, and prime inedible, 9¼¢.

(See page 41 for later markets.)

NEATSFOOT OIL.—Demand was hand to mouth at New York but the market was slightly steadier. Cold test

was quoted at 19¼¢; extra, 9¼¢; extra No. 1, 9¢; prime, 9¼¢, and pure, 14¼¢.

GREASES.—A moderate to fair turnover at unchanged prices was reported at New York this week. Yellow and house was 5¢ and there were further bids in the market at that level. Improvement in other fats and oils helped sentiment in the grease market. Producers, being well sold up, were not inclined to press offerings.

Exports of greases from New York during the week ended Dec. 9 amounted to 303,600 lbs. However, another 509,600 lbs. cleared from New York alone during the first half of the current week. While foreign demand was inactive it was apparent that previous sales had been larger than reported.

At New York, choice white was quoted at 5½¢@5¾¢ nominal; yellow and house, 5¢, and brown, 4¼¢.

Greases were firmer at Chicago this week as sentiment improved in the fats and oils markets. Prices advanced ¼¢. White grease sold at 5½¢, Chicago, at midweek, with sellers raising their ideas to 5½¢. Yellow was held at 5¼¢. Producers forced their raise in white grease; several cars sold at 5½¢, Chicago. No yellow grease offered under 5½¢. Quotations on Thursday in Chicago:

Choice white grease.....	@5½¢
A-white grease.....	@5½¢
B-white grease.....	@5½¢
Yellow grease, 10-15 f.f.a.....	5½¢@5¼¢
Yellow grease, 15-20 f.f.a.....	@5
Brown grease.....	@4¼¢

FERTILIZER PRICES

BASIS NEW YORK DELIVERY.

Ammoniates.

Ammonium sulphate, bulk, per ton, basis ex-vessel Atlantic ports, Dec. to June, 1940.....	\$27.75@28.00
Blood, dried, 16% per unit.....	@ 3.50
Unground fish scrap, dried, 11½% ammonia, 16% B. P. L., f.o.b. fish factory.....	4.25 & 10¢
Fish meal, foreign, 11½% ammonia, 10% B. P. L., c.i.f. spot.....	@52.50
Dec. shipment.....	@52.50
Fish scrap, acidulated, 7% ammonia, 3% A. P. A., f.o.b. fish factories.....	2.50 & 50¢
Soda nitrate, per net ton: bulk, Dec. to June, 1940, inclusive, ex-vessel Atlantic and Gulf ports.....	@27.00
In 200-lb. bags.....	@28.30
In 100-lb. bags.....	@29.00
Fertilizer tankage, ground, 10% ammonia, 10% B. P. L., bulk.....	3.50 & 10¢
Feeding tankage, unground, 10-12% ammonia, 15% B. P. L., bulk.....	3.75 & 10¢

Phosphates.

Foreign bone meal, steamed, 3 and 50 bags, per ton, c.i.f.....	@32.00
Bone meal, raw, 4½% and 50%, in bags, per ton, c.i.f.....	@30.00
Superphosphate, bulk, f.o.b. Baltimore, per ton, 16% fat.....	@ 8.50

Dry Rendered Tankage.

50/55% protein, unground.....	@85¢
60% protein, unground.....	@87¼¢

BY-PRODUCTS MARKETS

Chicago, December 14, 1939.

Cracklings and several other by-products showed easier trend this week, with scattered scales.

Blood.

Blood market nominally lower. Reports of offerings at \$3.85; buyers' ideas lower.

	Unit.
	Ammonia.
Unground.....	\$ 3.75@ 3.85

Digester Feed Tankage Materials.

Easiness prevails in this market, which continues in a nominal condition.

Unground, 11 to 12% ammonia.....	\$ 3.90@ 4.00
Unground, 6 to 10%, choice quality.....	4.25@ 4.50
Liquid stick.....	2.25@ 2.50

Packinghouse Feeds.

Packinghouse feeds showing sustained strength at previous quotations; additional buying opened up due to colder weather.

	Carlots.
	Per ton.
60% digester tankage.....	\$ @60.00
50% meat and bone scraps.....	@57.50
Blood-meal.....	@70.00
Special steam bone-meal.....	@50.00

Bone Meals (Fertilizer Grades).

Bone meals remain steady at prices quoted last week; inactive market.

	Per ton.
Steam, ground, 3 & 50.....	\$32.50@35.00
Steam, ground, 2 & 28.....	32.50@35.00

Fertilizer Materials.

Nominally firm and unchanged from last week.

	Per ton.
High grd. tankage, ground, 10@11% am.....	\$ 3.50@ 3.75 & 10¢
Bone tankage, ungrd., per ton.....	@25.00
Hoof meal.....	@ 3.00

Dry Rendered Tankage.

Cracklings ranged nominally about 2½¢ below last week; sales hard to find. Unconfirmed sale of low test early in week at \$.87½, Chgo.

Hard pressed and expeller unground, up to 48% protein (low test).....	\$.85 @ .87½
above 48% protein (high test).....	.82½ @ .85
Soft prod. pork, ac. grease and quality, ton.....	52.50 @55.00
Soft prod. beef, ac. grease and quality, ton.....	40.00 @42.50

Gelatine and Glue Stocks.

Gelatine and glue stocks market quiet and unchanged.

	Per ton.
Calf trimmings.....	\$18.00@20.00
Sinews, pizzles.....	@18.00
Cattle jaws, skulls and knuckles.....	@35.00
Hide trimmings.....	13.00@14.00
Pig skin scraps and trim, per lb., L.c.1.....	3¼¢ @ 3½¢

Horns, Bones and Hoofs.

Horns, bones and hoofs continue firm at last week's prices.

	Per ton.
Horns, according to grade.....	\$35.00@60.00
Cattle hoofs, house run.....	@35.00
Junk bones.....	@25.00

Animal Hair.

Animal hair market remained quiet and unchanged during the past week.

Winter coll dried, per ton.....	\$30.00@35.00
Summer coll dried, per ton.....	22.50@25.00
Winter processed, black, lb.....	6¼¢ @ 7¢
Winter processed, gray, lb.....	5½¢ @ 6¢
Summer processed, gray, lb.....	3 @ 3½¢
Cattle switches.....	2¼¢ @ 2½¢

MARGARINE MATERIALS USED

Products used in margarine manufacture during October, 1939, compared with the quantities used during October, 1938, were:

	Oct., 1939, lbs.	Oct., 1938, lbs.
Ingredient schedule of uncolored oleomargarine:		
Babassu oil	988,135	638,216
Coconut oil	2,122,001	8,371,782
Corn oil	21,711	
Cottonseed oil	8,074,982	10,387,187
Derivative of glycerine	57,120	80,401
Lecithin	6,870	7,485
Milk	4,502,862	6,219,879
Neutral lard	84,348	105,883
Oleo oil	602,937	1,008,012
Oleo stearine	236,212	343,718
Oleo stock	69,517	121,720
Palm kernel oil		70,044
Peanut oil		214,977
Salt	1,031,280	1,387,955
Soda (Benzosate of)	9,935	11,888
Soya bean oil	5,940,916	3,922,715
Soya bean stearine		10,495
Vitamin concentrate	1,421	970
Total	24,547,282	32,867,837

Ingredient schedule of colored oleomargarine:		
Coconut oil	44,926	48,089
Color	158	131
Corn oil	15	
Cottonseed oil	13,323	15,343
Derivative of glycerine	895	280
Lecithin	60	3
Milk	34,843	27,897
Neutral lard	5,400	8,840
Oleo oil	17,161	18,162
Oleo stock	1,719	425
Palm kernel oil		256
Peanut oil	77	30
Salt	8,729	6,333
Soda (Benzosate of)	15	68
Soya bean oil	41,205	15,280
Soya bean stearine		36
Vitamin concentrate	2	2
Total	166,268	134,173

EASTERN FERTILIZER MARKETS

New York, December 13, 1939.

The past week was rather dull, with very little interest shown in blood or tankage. Some tankage sold at \$3.75 and 10c, f.o.b. Eastern shipping points, and very little interest in blood was noted. South American was offered at \$3.45 per unit, c.i.f.

Steamed bone meal is still scarce and high in price. Foreign material is very hard to get. Cracklings are offered at 85c per unit, f.o.b. New York, and buyers' views are around 82½c.

Japanese sardine meal is unchanged in price and buyers show very little interest.

ANIMAL FAT EXPORTS

Exports of animal fats and oils during October, 1939, and their value, were as follows:

	Quantity, lbs.	Value.
Oleo oil	672,280	\$ 70,497
Oleo stock	1,055,876	127,682
Oleo stearine	102,962	9,748
Oleomargarine	11,970	1,610
Cooking fats, not lard	448,509	43,028
Lard	19,091,260	1,537,777
Tallow, edible	44,880	3,164
Tallow, inedible	431,219	29,288
Other fats and greases	377,029	33,321
Grease stearine	2,619	133
Neatsfoot oil	55,951	8,431
Oleic acid	218,527	18,266
Stearic acid	284,236	32,806

LARD AND GREASE EXPORTS

Exports of lard from New York City, week of December 9, 1939, totaled 525,525 lbs.; greases, 303,600 lbs.

HIDE IMPORTS INCREASE

United States imports of all hides and skins registered an increase during the period January through October of this year of 66.7 per cent in value over the corresponding period of last year, according to the U. S. Department of Commerce.

Cattle hide imports numbered 213,727 pieces in October, weighing 8,872,826 lbs. and valued at \$942,226, a substantial gain compared with receipts in October, 1938, weighing 7,526,694 lbs., and valued at \$656,465.

Cumulative statistics for the first ten months of this year show an import volume far above the corresponding period of 1938. During the first ten months of this year, imports amounted to 2,533,079 pieces, weighing 104,216,627 lbs., and valued at \$9,053,700, as compared with 859,522 pieces, 39,338,037 lbs., and \$3,439,220 last year.

Imports of kip skins also increased in volume during October, totaling 53,437 pieces weighing 659,382 lbs. A year ago imports totaled 12,765 pieces weighing 180,515 lbs. During the first ten months kip imports amounted to 493,973 pieces weighing 7,129,480 lbs., while during the corresponding period last year they were only 246,264 pieces weighing 3,581,127 lbs.

Calf skin imports decreased by 51.8 per cent during October due to the difficulty of obtaining European supplies. Only 163,120 pieces weighing 843,371 lbs. reached this country, whereas a year ago imports amounted to 314,700 pieces weighing 1,935,397 lbs. Ten month importations are well above last year's level. Arrivals have amounted to 2,818-

978 pieces, weighing 16,008,471 lbs. so far this year compared with 2,054,619 pieces weighing 13,452,831 lbs. for the 1938 period.

Sheep and lamb skins in October were imported to the amount of 2,012,151 pieces weighing 4,517,456 lbs. against 1,498,797 pieces weighing 3,641,368 lbs. in October, 1938. An even sharper increase took place in the first ten months of this year with imports numbering 23,028,469 pieces weighing 50,075,594 lbs. Last year imports were 11,287,279 pieces weighing 25,496,385 lbs.

Exports of all hides and skins were unusually high during October. Their total value was \$607,587 as compared with \$394,431 the year before. Ten month cumulative exports totaled only \$3,371,442 this year, however, while last year for the same period they amounted to \$4,144,017.

OCT. MARGARINE PRODUCTION

Margarine produced during October, 1939, with comparisons:

	Oct., 1939, lbs.	Oct., 1938, lbs.
Production of uncolored margarine	23,634,061	30,973,690
Production of colored margarine	150,154	118,472
Total production	23,784,215	31,092,162
Uncolored margarine with-drawn tax paid	23,650,040	31,788,000
Colored margarine with-drawn tax paid	26,041	36,302

Watch the Classified Advertisements page for good men.

COTTONSEED PRODUCTS MANUFACTURED AND CONSUMED

As reported for the four months ended November 30, 1939 and 1938:

COTTONSEED RECEIVED, CRUSHED, AND ON HAND (TONS)

	Received at mills* Aug. 1 to Nov. 30	Crushed Aug. 1 to Nov. 30	On hand at mills Nov. 30
	1939.	1938.	1939.
United States	3,196,779	3,330,669	2,030,186
Alabama	132,120	132,120	115,305
Arizona	53,829	55,873	26,576
Arkansas	397,884	409,306	207,952
California	141,595	113,891	46,845
Georgia	221,832	214,359	182,578
Louisiana	181,228	155,711	127,080
Mississippi	524,468	572,496	304,080
North Carolina	119,790	95,382	55,416
Oklahoma	130,375	158,511	91,111
South Carolina	140,908	106,079	119,537
Tennessee	299,064	315,809	188,093
Texas	755,700	840,063	548,617
All other states	96,277	90,412	41,651
			47,787

*Does not include 120,626 and 337,118 tons on hand Aug. 1 nor 8,793 and 12,546 reshipped for 1939 and 1938 respectively.

COTTONSEED PRODUCTS MANUFACTURED, SHIPPED OUT, AND ON HAND

	Season (pounds)	On hand August 1	Produced Aug. 1 to Nov. 30	Shipped out Aug. 1 to Nov. 30	On hand Nov. 30
Crude oil	1939-40	72,066,763	629,852,040	595,438,276	184,061,709
(pounds)	1938-39	33,833,717	646,680,185	556,294,824	170,072,026
Refined oil	1939-40	159,035,317	474,927,262		149,215,238
(pounds)	1938-39	487,927,962	470,441,535		503,616,365
Cake and meal	1939-40	119,718	909,558	822,845	206,831
(tons)	1938-39	214,611	837,551	837,090	115,940
Hulls	1939-40	77,087	516,029	453,774	159,343
(tons)	1938-39	133,153	542,568	492,478	183,243
Linters	1939-40	479,316	496,941	606,972	369,295
(running bales)	1938-39	457,464	506,362	442,551	531,376
Hull fiber	1939-40	24,881	13,476	19,443	15,940
(500-lb. bales)	1938-39	30,534	17,538	17,530	20,443
Grabbots, motes, etc.	1939-40	30,642	21,704	25,858	26,480
(500-lb. bales)	1938-39	36,592	24,342	22,069	38,960

*Includes 5,968,685 and 64,192,617 pounds held by refining and manufacturing establishments and 13,504,470 and 32,989,780 pounds in transit to refiners and consumers August 1, 1939 and Nov. 30, 1939 respectively.

†Includes 13,471,938 and 7,596,530 pounds held by refiners, brokers, agents, and warehousemen at places other than refineries and manufacturing establishments and 3,292,550 and 3,142,613 pounds in transit to manufacturers of shortening, oleomargarine, soap, etc. August 1, 1939 and Nov. 30, 1939 respectively.

**Produced from 502,726,124 pounds of crude oil.

Trade Heavy as Oil Futures Advance on Favorable News

Wednesday's volume largest since War boom—Improvement in allied markets, grain and crude aids advance in face of heavy profit taking—Crude sells at 6c—Soybean oil held higher.

COTTONSEED oil futures market at New York experienced a decided broadening in outside trade during the past week and substantial gains were made. The turnover of over 500 lots on Wednesday was the heaviest volume since early in September. Prices moved up 65 points from recent lows and the July delivery went into new high ground on the crop.

Improvement in allied markets, tightness in crude oil, new season's highs in cotton and grains, government plans for buying lard and fat backs, and reports that part of Finland's credits here will be used to buy cottonseed meal, all served to stimulate speculative activity and covering by shorts.

There was much profit taking on the advance and refiners' brokers were heavy sellers of the distant months, presumably in hedging. There was considerable switching from the near to the later position; cash oil demand showed some improvement as a result of the advance in prices.

Crude Sells Higher

Crude oil in the Southeast and Valley sold at 6c. In Texas, crude was 5.80c to 5½c bid, according to location. Mills withdrew offerings early in the week to await the 6c level; when that figure was reached sellers were inclined to hold for still higher prices. At Dallas, cottonseed meal was quoted at \$34 per ton and higher; Texas cottonseed was \$27 per ton or higher.

Cash interests reported improvement in consumer demand for oil and shortening. Further expansion in domestic trade in the near future would not be unexpected. Price of winter oil in drums in the Metropolitan area of New York was raised ¼c to 9c. It was intimated that shortening prices might be raised in the very near future.

Reports from Washington intimating that the government might buy large quantities of lard and fat backs had considerable influence upon the edible fat markets. Government buying, however, is essentially for the purpose of market support and may be cut off at any time if prices advance.

The government monthly cottonseed statistical report had little or no effect on the oil market. November consumption totaled 266,183 bbls., which was slightly below average expectations. Consumption was 263,369 bbls. in November, 1938. Consumption during the first four months of the season was around 1,360,000 bbls., or nearly 225,000

bbls. in excess of distribution in the like period last season. Visible supply of cottonseed oil on December 1 was 2,569,600 bbls., or about 200,000 bbls. smaller than on the same date in 1938.

Average monthly consumption of cottonseed oil during the first quarter of 1939 (January to March) was slightly above 200,000 bbls. It is expected that consumption during the same months in 1940 will materially exceed this average. Consequently the visible supply of oil is not burdensome, but the market for many weeks has had to contend with unusually low lard prices.

A great deal of the new buying power in the cottonseed oil market resulted from the sharp advance which has taken place in cotton prices.

COCONUT OIL.—The market was quiet and steady at New York. Bulk oil was quoted at 3½c and tanks at 3½c. Bulk oil on the Pacific coast was nominally 3½c.

SOYBEAN OIL.—Nearby soybean oil traded at 4½c and the December delivery sold at 5c at New York. Offerings were light and held higher as soybeans moved up sharply to \$1.14½ per bushel.

CORN OIL.—There were some inquiries in the New York market, but buyers and sellers were apart. Bids of 5½c failed to attract sellers; the latter asked 6c and better.

PALM OIL.—Available prices were more or less nominal. At New York, Nigre was quoted at 5½c and Sumatra at 4½c. There were reports that shipments out of the East Indies have been quoted as low as 3½c and 3½c.

PALM KERNEL OIL.—This market was purely nominal.

OLIVE OIL FOOTS.—Demand was

SOUTHERN MARKETS

New Orleans.

(Special Wire to The National Provisioner.)

New Orleans, La., December 14, 1939. Cotton oil futures and crude were up about ¼c a lb. the past week, with firm undertone, due to war news and war needs. Should lard export demand increase cotton oil should go higher, as cottonseed prices have done. Good inquiry for soapstock and black grease continues. Mills are offering products sparingly, expecting better markets later.

Dallas.

(Special Wire to The National Provisioner.)

Dallas, Texas, December 13, 1939.—Forty-three per cent cottonseed cake and meal basis Dallas for interstate shipment quoted at \$33.50. Prime cottonseed oil quoted at 5½@6c lb., depending on location.

quiet and trade limited. Spot tanks were quoted at 9c at New York.

PEANUT OIL.—Mill offerings were scanty. Prices were nominally called 6½c, Southeast, at New York.

COTTONSEED OIL.—Valley and Southeast crude was quoted Wednesday at 6c paid; Texas, 5½c paid at common points, and Dallas, 6c nominal.

Futures market transactions for the week at New York were:

FRIDAY, DECEMBER 8, 1939.

		—Range—		—Closing—	
	Sales.	High.	Low.	Bid.	Asked.
December ..	2	688	680	670	680
January	15	678	674	676	678
February ....	..	..	..	681	nom
March	31	697	692	695	trad
April .....	..	..	..	700	nom
May	28	707	701	705	trad
June .....	..	..	..	710	nom
July	61	715	710	714	trad

Sales 137 contracts.

SATURDAY, DECEMBER 9, 1939.

December ..	1	680	680	675	685
January ..	4	680	680	680	trad
February ..	..	..	..	685	nom
March ..	5	696	695	696	699
April ..	..	..	..	701	nom
May ..	7	707	706	707	trad
June ..	..	..	..	711	nom
July ..	18	716	714	716	trad

Sales 30 contracts.

MONDAY, DECEMBER 11, 1939.

December ..	1	679	679	680	680
January ..	26	676	672	673	trad
February ..	..	..	..	678	nom
March ..	22	696	685	687	688
April ..	..	..	..	693	nom
May ..	39	709	696	697	trad
June ..	..	..	..	702	nom
July ..	54	717	705	709	trad

Sales 142 contracts.

TUESDAY, DECEMBER 12, 1939.

December ..	5	663	655	660	683
January ..	18	674	670	673	674
February ..	..	..	..	678	nom
March ..	27	690	683	687	688
April ..	..	..	..	697	nom
May ..	121	701	695	697	trad
June ..	..	..	..	702	nom
July ..	67	710	704	706	trad

Sales 238 contracts.

WEDNESDAY, DECEMBER 13, 1939.

December ..	3	..	..	695	708
January ..	23	700	690	702	705
February ..	..	..	..	707	nom
March ..	94	720	695	719	730
April ..	..	..	..	724	nom
May ..	147	730	707	729	nom
June ..	..	..	..	734	nom
July ..	236	739	715	739	trad

Sales 503 contracts.

THURSDAY, DECEMBER 14, 1939.

December ..	..	702	699	702	nom
January ..	..	703	697	695	bid
March ..	..	723	712	713	nom
May ..	..	734	722	722	bid
July ..	..	744	733	733	bid

Sales, 273 contracts.

(See page 41 for later markets.)

COTTONSEED PRODUCTS EXPORTS AND IMPORTS

Exports and imports of cottonseed products for three months ending October 31:

	1939.	1938.
Exports:		
Oil, crude, lbs.....	2,190,349	87,620
Oil, refined, lbs.....	4,494,300	1,257,898
Cake and meal, tons.....	4,328	7,672
Linters, running bales.....	94,209	51,469
Imports:		
Oil, crude, lbs.....	none	none
Oil, refined, lbs.....	*3,455,948	21,401,365
Cake and meal, tons.....	45	175
Linters, bales.....	14,524	14,613

*Amounts for November not included above are 691 pounds refined, "entered direct for consumption," 1,180 refined, "withdrawn from warehouse for consumption," and 329,994 refined, "entered direct into warehouse."

CHICAGO MARKET PRICES

WHOLESALE FRESH MEATS

Carcass Beef		Week ended Dec. 13, 1939. per lb.	Cor. week, 1939. per lb.
Prime native steers—			
400-500	17 1/4 @ 18 1/4	18 1/4 @ 19 1/4	
600-800	17 @ 18	18 1/2 @ 19 1/2	
800-1000	17 @ 18	19 @ 20 1/2	
Good native steers—			
400-500	16 1/4 @ 17 1/4	16 1/4 @ 17 1/4	
600-800	15 1/2 @ 16 1/2	16 1/4 @ 17 1/4	
800-1000	15 1/4 @ 16 1/4	16 1/2 @ 17 1/2	
Medium steers—			
400-600	16 1/4 @ 16 1/4	14 @ 14 1/4	
600-800	14 1/2 @ 15 1/2	14 @ 14 1/4	
800-1000	14 1/2 @ 15 1/2	14 1/2 @ 15	
Heifers, good, 400-600	15 1/4 @ 16 1/4	15 1/2 @ 16 1/4	
Cows, 400-600	10 1/2 @ 11 1/2	10 1/2 @ 11 1/2	
Hind quarters, choice	18 1/2 @ 19 1/2	18 1/2 @ 19 1/2	
Fore quarters, choice	12 1/2 @ 13	12 1/2 @ 13	

Beef Cuts		
Steer loins, prime	unquoted	@ 38
Steer loins, No. 1		@ 30
Steer loins, No. 2		@ 28
Steer short loins, prime	unquoted	@ 50
Steer short loins, No. 1		@ 38
Steer short loins, No. 2		@ 27
Steer loin ends (hips)		@ 22
Steer loin ends, No. 2		@ 20
Cow loins		@ 16
Cow short loins		@ 18
Cow loin ends (hips)		@ 16
Steer ribs, prime	unquoted	@ 30
Steer ribs, No. 1		@ 22
Cow ribs, No. 2		@ 16
Cow ribs, No. 3		@ 12
Steer rounds, prime	unquoted	@ 12
Steer rounds, No. 1		@ 16 1/4
Steer rounds, No. 2		@ 15 1/4
Steer chucks, prime	unquoted	@ 15 1/4
Steer chucks, No. 1		@ 14
Steer chucks, No. 2		@ 13
Cow rounds		@ 13
Cow chucks		@ 10 1/4
Steer plates		@ 8 1/2
Medium plates		@ 8
Briskets, No. 1		@ 13 1/2
Steer navel ends		@ 7
Cow navel ends		@ 8
Fore shanks		@ 9
Hind shanks		@ 8
Strip loins, No. 1 bbls.		@ 48
Strip loins, No. 2		@ 38
Sirloin butts, No. 1		@ 26
Sirloin butts, No. 2		@ 21
Beef tenderloins, No. 1		@ 65
Beef tenderloins, No. 2		@ 52
Rump butts		@ 13
Flank steaks		@ 22
Shoulder clods		@ 15
Hanging tenderloins		@ 17
Insides, green, 6 @ 8 lbs.		@ 16 1/2
Outsides, green, 6 @ 6 lbs.		@ 15 1/2
Knuckles, green, 5 @ 6 lbs.		@ 16

Beef Products		
Brains		@ 7
Hearts		@ 10
Tongues		@ 18
Sweetbreads		@ 18
Ox-tail		@ 10
Fresh tripe, plain		@ 10
Fresh tripe, H. O.		@ 11 1/2
Livers		@ 20
Kidneys		@ 9

Veal		
Choice carcass	@ 15	@ 17
Good carcass	@ 13 1/2	@ 15
Good saddles	@ 19	@ 20
Good racks	@ 11	@ 14
Medium racks	@ 9	@ 10

Veal Products		
Brains, each	@ 10	@ 10
Sweetbreads	@ 30	@ 36
Calf livers	@ 36	@ 40

Lamb		
Choice lambs	@ 16	@ 17
Medium lambs	@ 15	@ 16
Choice saddles	@ 20	@ 21
Medium saddles	@ 17	@ 18
Choice fores	@ 13	@ 14
Medium fores	@ 12	@ 13
Lamb fries	@ 32	@ 32
Lamb tongues	@ 17	@ 17
Lamb kidneys	@ 15	@ 20

Mutton		
Heavy sheep	@ 6	@ 8
Light sheep	@ 8	@ 10
Heavy saddles	@ 7	@ 10
Light saddles	@ 10	@ 12
Heavy fores	@ 5	@ 6
Light fores	@ 8	@ 10
Mutton legs	@ 10	@ 13
Mutton loins	@ 9	@ 12
Mutton stew	@ 6	@ 6
Sheep tongues	@ 13 1/2	@ 12 1/2
Sheep heads, each	@ 11	@ 10

Fresh Pork and Pork Products

Pork loins, 8-10 lbs. av.	@ 13	@ 14
Picnics	@ 10 1/2	@ 12
Skinned shoulders	@ 11	@ 12
Tenderloins	@ 28	@ 30
Spare ribs	@ 10 1/2	@ 12
Back fat	@ 7	@ 8
Boston butts	@ 11 1/2	@ 14
Boneless butts, cellar		
trim, 2 @ 4	@ 15	@ 17 1/2
Hocks	@ 8 1/2	@ 9 1/2
Tails	@ 8	@ 9
Neck bones	@ 4	@ 4
Slip bones	@ 9	@ 11
Blade bones	@ 9	@ 11
Pigs feet	@ 3 1/2	@ 4
Kidneys, per lb.	@ 7	@ 10
Livers	@ 8	@ 9
Brains	@ 7	@ 8
Wars	@ 4	@ 5
Snouts	@ 6 1/2	@ 7 1/2
Heads	@ 7 1/2	@ 8 1/2
Chitterlings	@ 6 1/2	@ 8 1/2

DRY SALT MEATS

Clear bellies, 16 @ 18 lbs.	@ 7 1/4 n
Clear bellies, 18 @ 20 lbs.	@ 7 n
Rib bellies, 25 @ 30 lbs.	@ 7 1/2
Fat backs, 10 @ 12 lbs.	@ 5
Fat backs, 14 @ 16 lbs.	@ 5 1/4 n
Regular plates	@ 5 1/4 n
Jowl butts	@ 4 1/2

WHOLESALE SMOKED MEATS

Fancy regular hams, 14 @ 16 lbs., parchment paper	@ 17	@ 18 1/2
Fancy skinned hams, 14 @ 16 lbs., parchment paper	@ 18 1/2	@ 19 1/4
Standard reg. hams, 14 @ 16 lbs., plain	@ 16	@ 17 1/2
Picnics, 4 @ 8 lbs., short shank, plain	@ 13	@ 14
Picnics, 4 @ 8 lbs., long shank, plain	@ 11 1/4	@ 12 1/4
Fancy bacon, 6 @ 8 lbs., plain	@ 17 1/2	@ 18 1/4
Standard bacon, 6 @ 8 lbs., plain	@ 14	@ 14 1/4
No. 1 beef sets, smoked		
Insides, 8 @ 12 lbs.	@ 37	@ 38
Outsides, 5 @ 9 lbs.	@ 34	@ 35
Knuckles, 5 @ 9 lbs.	@ 34	@ 35
Cooked hams, choice, skin on, fattened		@ 28 1/2
Cooked hams, choice, skinless, fattened		@ 31 1/2
Cooked picnics, skin on, fattened		@ 24
Cooked picnics, skinned, fattened		@ 24

BARRELED PORK AND BEEF

Clear fat back pork:		
70-80 pieces	@ 12.50	
80-100 pieces	@ 11.00	
100-125 pieces	@ 11.00	
Clear plate pork, 25-35 pieces	@ 13.00	
Beef pork	@ 18.00 n	
Brisket pork	@ 18.00 n	
Plate beef	@ 20.00	
Extra plate beef	@ 20.00	

VINEGAR PICKLED PRODUCTS

Pork feet, 200-lb. bbl.	@ 15.75
Lamb tongue, short cut, 200-lb. bbl.	@ 65.00
Regular tripe, 200-lb. bbl.	@ 17.25
Honeycomb tripe, 200-lb. bbl.	@ 22.25
Pocket honeycomb tripe, 200-lb. bbl.	@ 26.00

SAUSAGE MATERIALS

(Packed basis.)

Regular pork trimmings	@ 5
Special lean pork trimmings 85%	@ 11 1/4
Extra lean pork trimmings 95%	@ 12 1/2
Pork cheek meat (trimmed)	@ 6 1/2
Pork hearts	@ 5 1/2
Pork livers	@ 4
Native boneless bull meat (heavy)	@ 14 1/4
Shank meat	@ 11 1/4
Beef trimmings	@ 10
Beef cheeks (trimmed)	@ 8 1/2
Dressed canners, 350 lbs. and up	@ 9 1/2
Dressed cutter cows, 400 lbs. and up	@ 9 1/4
Dr. Bologna, 600 lbs. and up	@ 11 1/2
Pork tongues, canner trim, S. P.	@ 7 1/2

DRY SAUSAGE

Cervelat, choice, in hog bungs	@ 87
Thuringer cervelat	@ 19 1/2
Farmhouse	@ 28
Holsteiner	@ 27 1/2
B. C. salami, choice	@ 82
Milano, salami, choice in hog bungs	@ 81
B. C. salami, new condition	@ 19
Franks, choice, in hog middles	@ 81
Genoa style salami, choice	@ 38
Pepperoni	@ 28
Mortadella, new condition	@ 19
Capicola	@ 39
Italian style hams	@ 32
Virginia hams	@ 40 1/2

DOMESTIC SAUSAGE

(Quotations cover fancy grades.)

Pork sausage, in 1-lb. carton	@ 20 1/2
Country style sausage, fresh in link	@ 15 1/2
Country style sausage, fresh in bulk	@ 18 1/2
Country style sausage, smoked	@ 20
Frankfurters, in sheep casings	@ 22 1/2
Frankfurters, in hog casings	@ 20
Bologna in beef bungs, choice	@ 16
Bologna in beef middles, choice	@ 16 1/2
Liver sausage in beef rounds	@ 14
Liver sausage in hog bungs	@ 16
Smoked liver sausage in hog bungs	@ 21 1/2
Head cheese	@ 14 1/2
New England luncheon specialty	@ 21
Mixed luncheon specialty, choice	@ 18
Tongue & blood	@ 19 1/2
Blood sausage	@ 17
Souse	@ 16
Polish sausage	@ 20 1/2

LARD

Prime steam, cash, Bd. Trade	@ 6.40 n
Prime steam, loose, Bd. Trade	@ 5.87 1/2 n
Refined lard, tierces, f.o.b. Chgo.	@ 7.62 1/2
Kettle rend., tierces, f.o.b. Chgo.	@ 8.62 1/2
Leaf, kettle	
rend., tierces, f.o.b. Chgo.	@ 8.62 1/2
Neutral, tierces, f.o.b. Chicago	@ 8.37 1/2
Shortening, tierces, c.a.f.	@ 9.75

OLEO OIL AND STEARINE

Extra oleo oil (in tierces)	@ 7 1/2
Prime No. 2 oleo oil	@ 7
Prime oleo stearine	@ 6 1/2

TALLOW AND GREASES

(Loose, basis Chicago.)

Edible tallow, 1% acid	@ 5 1/4
Fancy tallow, under 2% acid	@ 5 1/2
Prime packers tallow, 3-4% acid	@ 5 1/4
Special tallow	@ 5 1/2
No. 1 tallow, 10% f.f.a.	@ 5 1/4
Choice white grease, all hog	@ 5 1/4
A-White grease, 4% acid	@ 5 1/4
B-White grease, maximum 5% acid	@ 5 1/4
Yellow grease, 16-20 f.f.a.	@ 5
Brown grease, 25 f.f.a.	@ 4 1/2

ANIMAL OILS

	Per lb.
Prime edible lard oil	10 1/4
Prime burning oil	9 1/4
Prime lard oil—inedible	9 1/4
Extra W. S. lard oil	9 1/4
Extra lard oil	9 1/4
Extra No. 1 lard oil	9
Spec. No. 1 lard oil	8 1/2
No. 1 lard oil	8 1/4
No. 2 lard oil	8 1/4
Acidless tallow oil	8 1/4
20° neatfoot oil	19
Pure neatfoot oil	14 1/4
Prime neatfoot oil	9 1/4
Extra neatfoot oil	9
No. 1 neatfoot oil	8 1/2

VEGETABLE OILS

Crude cottonseed oil, in tanks, f.o.b.	
Valley points, prompt	5 1/4 @ 6
White deodorized, in bbls., f.o.b. Chgo.	@ 8 1/2
Yellow, deodorized	@ 8 1/4
Soap stock, 50% f.f.a., f.o.b. mills	@ 1 1/4
Soybean oil, f.o.b. mills	5 @ 5 1/4
Corn oil, in tanks, f.o.b. mills	5 1/2 @ 5 1/2
Coconut oil, sellers' tanks, f.o.b. coast	3 1/2 @ 3 1/2
Refined coconut, bbls., f.o.b. Chicago	9 1/4 @ 9 1/4

OLEOMARGARINE

F. O. B. Chicago.

White domestic vegetable	@ 15
White animal fat	@ 12
Water churned pastry	@ 13
Milk churned pastry	@ 13
White "nut" type	@ 9

PURE VINEGARS

A. P. CALLAHAN & COMPANY

237 SOUTH LA SALLE STREET

CHICAGO, ILL.

Chicago Markets

CURING MATERIALS

	Cwt.
Nitrite of soda (Chgo. w'ase stock).	
In 425-lb. bbls., delivered.....	\$ 8.75
Saltpeper, less than ton lots:	
Db'l. refined granulated.....	6.90
Small crystals.....	7.90
Medium crystals.....	8.25
Large crystals.....	8.65
Db'l. rid. gran. nitrate of soda.....	8.75
Salt, per ton, in minimum car of 80,000 lbs.	
only, f.o.b. Chicago, per ton:	
Granulated.....	7.20
Medium, dried.....	10.20
Rock.....	6.80
Sugar—	
Raw, 96 basis, f.o.b. New Orleans....	@3.00
Second sugar, 90 basis.....	None
Standard gran., f.o.b. refiners (2%)..	@4.65
Packers' curing sugar, 100 lb. bags,	
f.o.b. Reserve, La., less 2%.....	@4.25
Packers' curing sugar, 250 lb. bags,	
f.o.b. Reserve, La., less 2%.....	@4.15
Dextrose, in car lots, per cwt. (in cotton	
bags).....	@3.84
In paper bags.....	@3.79

SAUSAGE CASINGS

(P. O. B. Chicago.)

(Prices quoted to manufacturers of sausage.)

Beef casings:	
Domestic rounds, 180 pack.....	@.16
Domestic rounds, 140 pack.....	@.35
Export rounds, wide.....	@.44
Export rounds, medium.....	@.24
Export rounds, narrow.....	@.42
No. 1 weasands.....	@.06
No. 2 weasands.....	@.03
No. 1 bungs.....	@.11
No. 2 bungs.....	@.06
Middles, regular.....	@.59
Middles, select, wide, 2@2 1/2 in.	@.55
Middles, select, extra wide, 2 1/2 in.	
and over.....	@.80
Dried bladders:	
12-15 in. wide, flat.....	.85
10-12 in. wide, flat.....	.70
8-10 in. wide, flat.....	.40
6-8 in. wide, flat.....	.25
Pork casings:	
Narrow, per 100 yds.....	2.25
Narrow, special, per 100 yds.....	2.20
Medium, regular.....	1.70
English, medium.....	1.45
Wide, per 100 yds.....	1.35
Extra wide, per 100 yds.....	.90
Export bungs.....	.14
Large prime bungs.....	.07
Medium prime bungs.....	.07
Small prime bungs.....	.03 1/2
Middles, per set.....	.14
Stomachs.....	.09

SPICES

(Basis Chicago, original bbls., bags or bales.)

	Whole.	Ground.
	Per lb.	Per lb.
Allspice, prime.....	18	20
Resifted.....	18 1/2	20 1/2
Chili pepper.....	22	23
Powder.....	22	23
Cloves, Amboyna.....	30	36
Zanzibar.....	22	27
Madagascar.....	27	32
Ginger, Jamaica.....	17	21 1/2
African.....	11	15
Mace, Fancy Banda.....	70	78
East India.....	62	70
East & West India Blend.....	63	70
Mustard flour, fancy.....	19	25
No. 1.....	19	25
Nutmeg, fancy Banda.....	24	29
East India.....	22	26 1/2
East & West India Blend.....	23	28
Paprika, Spanish.....	42	48
Fancy Hungarian.....	39	45
No. 1 Hungarian.....	37	43
Pepper, Cayenne.....	50	56
Red No. 1.....	21	25
Black Malabar.....	14 1/2	18 1/2
Black Lampong.....	6 1/2	8 1/2
Pepper, white Singapore.....	9 1/2	12 1/2
Muntok.....	9 1/2	13
Packers.....	12	15

SEEDS AND HERBS

	Whole.	Ground.
	Per lb.	Per lb.
Caraway seed.....	15	22
Celery seed, French.....	28	27
Ominos seed.....	20	25
Coriander Morocco bleached.....	7	8 1/2
Coriander Morocco natural No. 1.....	6 1/2	8 1/2
Mustard seed fancy yellow.....	21	21
American.....	16	21
Marjoram.....	35	41
Oregano.....	14 1/2	18 1/2
Sage fancy Dalmatian.....	18	20
Dalmatian No. 1.....	15	19

NEW YORK MARKET PRICES

LIVE CATTLE

Steers, medium, 1,126-lb.....	\$ 8.75
Steers, common.....	@ 8.25
Cows, medium.....	5.75 @ 6.50
Cows, cutter and common.....	4.75 @ 5.50

LIVE CALVES

Vealers, good and choice.....	\$10.00 @ 13.00
Vealers, common and medium.....	8.25 @ 9.50
Vealers, culls.....	6.00 @ 8.00
Calves.....	nom.

LIVE HOGS

Hogs, good and choice, 200-lb.....	\$5.65
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LIVE LAMBS

Lambs, good and choice, 71-lb.....	\$ 9.50
Lambs, common.....	@ 7.50
Sheep.....	nom.

DRESSED BEEF

City Dressed.

Choice, native, heavy.....	16 1/2 @ 17 1/2
Choice, native, light.....	17 @ 18 1/2
Native, common to fair.....	16 @ 17

Western Dressed Beef.

Native steers, 600@800 lbs.....	18 @ 19
Native choice yearlings, 440@600 lbs.....	17 @ 18
Good to choice heifers.....	16 @ 17
Good to choice cows.....	14 @ 15
Common to fair cows.....	13 @ 14
Fresh bologna bulls.....	13 @ 14

BEEF CUTS

	Western.	City.
No. 1 ribs.....	23 @ 24	21 @ 23
No. 2 ribs.....	20 @ 21	20 @ 21
No. 3 ribs.....	19 @ 20	19 @ 20
No. 1 loins.....	32 @ 36	36 @ 40
No. 2 loins.....	26 @ 32	30 @ 35
No. 3 loins.....	20 @ 24	25 @ 29
No. 1 hinds and ribs.....	20 @ 21	21 @ 24
No. 2 hinds and ribs.....	18 @ 19	19 @ 21
No. 1 rounds.....	17 @ 17	17 @ 17
No. 2 rounds.....	16 @ 16	16 @ 16
No. 3 rounds.....	15 @ 15	15 @ 15
No. 1 chucks.....	15 @ 15	15 @ 15
No. 2 chucks.....	14 @ 14	14 @ 14
No. 3 chucks.....	13 @ 13	13 @ 13
City dressed bolognas.....	13 1/2 @ 14 1/2	13 1/2 @ 14 1/2
Rolls, reg. 4@6 lbs. av.....	18 @ 20	18 @ 20
Rolls, reg. 6@8 lbs. av.....	23 @ 25	23 @ 25
Tenderloins, 4@6 lbs. av.....	50 @ 60	50 @ 60
Tenderloins, 5@6 lbs. av.....	50 @ 60	50 @ 60
Shoulder clods.....	16 @ 18	16 @ 18

DRESSED VEAL

Good.....	14 @ 16
Medium.....	13 1/2 @ 14
Common.....	13 @ 13 1/2

DRESSED SHEEP AND LAMBS

Genuine spring lambs, good.....	16 @ 17
Genuine spring lambs, good to medium.....	15 @ 16
Genuine spring lambs, medium.....	14 1/2 @ 15 1/2
Sheep, good.....	9 @ 11
Sheep, medium.....	7 @ 9

DRESSED HOGS

Hogs, good and choice (110-140 lbs.)	
head on; leaf fat in.....	\$ 9.00 @ 9.50
Pigs, small lots (60-110 lbs.)	
head on; leaf fat in.....	11.00 @ 12.00

FRESH PORK CUTS

Pork loins, fresh, Western, 10@12 lbs.....	12 @ 12 1/2
Shoulders, Western, 10@12 lbs. av.....	10 1/2 @ 11 1/2
Butts, regular, Western.....	12 @ 13
Hams, Western, fresh, 10@12 lbs. av.....	15 @ 16
Picnics, Western, fresh, 6@8 lbs. av.....	11 1/2 @ 12 1/2
Pork trimmings, extra lean.....	14 1/2 @ 15 1/2
Pork trimmings, regular, 50% lean.....	7 1/2 @ 8 1/2
Spareribs.....	10 @ 11

COOKED HAMS

Cooked hams, choice, skin on, fattened.....	@35c
Cooked hams, choice, skinless, fattened.....	@37c

SMOKED MEATS

Regular hams, 8@10 lbs. av.....	20 @ 21
Regular hams, 10@12 lbs. av.....	19 1/2 @ 20 1/2
Regular hams, 12@14 lbs. av.....	18 1/2 @ 19 1/2
Skinned hams, 10@12 lbs. av.....	20 @ 21
Skinned hams, 12@14 lbs. av.....	19 @ 20
Skinned hams, 14@16 lbs. av.....	18 1/2 @ 19 1/2
Skinned hams, 16@18 lbs. av.....	19 @ 20
Picnics, 4@6 lbs. av.....	14 1/2 @ 15 1/2
Picnics, 6@8 lbs. av.....	14 1/2 @ 15 1/2
City pickled bellies, 8@12 lbs. av.....	16 @ 17
Bacon, boneless, Western.....	18 @ 19
Bacon, boneless, city.....	17 @ 18
Rollettes, 8@10 lbs. av.....	19 @ 20
Beef tongue, light.....	22 @ 23
Beef tongue, heavy.....	23 @ 24

FANCY MEATS

Fresh steer tongues, untrimmed.....	16c a pound
Fresh steer tongues, l. c. trimmed.....	28c a pound
Sweetbreads, beef.....	30c a pound
Sweetbreads, veal.....	70c a pair
Beef kidneys.....	12c a pound
Mutton kidneys.....	4c each
Livers, beef.....	29c a pound
Oxtails.....	16c a pound
Beef hanging tenders.....	30c a pound
Lamb fries.....	12c a pair

BUTCHERS' FAT

Shop Fat.....	\$2.00 per cwt.
Breast Fat.....	2.50 per cwt.
Edible Suet.....	3.50 per cwt.
Inedible Suet.....	3.00 per cwt.

GREEN CALFSKINS

	5-9 1/2-12 1/2	12 1/2-14	14-18	18 up
Prime No. 1 veals.....	22	2.85	3.20	3.25
Prime No. 2 veals.....	20	2.55	2.90	2.95
Buttermilk No. 1.....	17	2.35	2.70	2.75
Buttermilk No. 2.....	16	2.20	2.55	2.60
Branded gruby.....	11	1.20	1.55	1.60
Number 3.....	11	1.20	1.55	1.60

BONES AND HOOF

	Per ton
Round shins, heavy.....	del'd basis.
Round shins, light.....	\$90.00
Flat shins, heavy.....	75.00
Flat shins, light.....	70.00
Hoofs, white.....	65.00
Hoofs, black and white striped.....	75.00
Hoofs, black and white striped.....	40.00

PRODUCE MARKETS

BUTTER.

	Chicago	New York.
Creamery (92 score).....	@29 1/2	@30 1/2
Creamery (90-91 score).....	27 1/2 @ 28 1/2	28 1/2 @ 29 1/2
Creamery firsts (88-89).....	26 @ 27	27 1/2 @ 28 1/2

EGGS.

Extra firsts.....	@20	@20 1/2
Firsts, fresh.....	@18 1/2	@18 1/2
Standards.....	@22 1/2	@22 1/2

LIVE POULTRY.

Fowls.....	8 @ 13	13 @ 18
Springs.....	11 1/2 @ 16	16 @ 21
Broilers.....	9 @ 16	14 @ 16
Capon.....	13 @ 18	14 @ 16
Old roosters.....	6 @ 9 1/2	11 @ 13
Ducks.....	6 @ 11 1/2	@15
Geese.....	8 @ 13 1/2	@17
Turkeys.....	12 @ 19	19 @ 25

DRESSED POULTRY.

Chickens, 31-47, fresh.....	@17	@18
48 up, fresh.....	@17 1/2	@18 1/2
Fowls, 31-47, fresh.....	14 @ 15 1/2	14 1/2 @ 15 1/2
48-59, fresh.....	15 1/2 @ 17	16 1/2 @ 17 1/2
60 and up, fresh.....	@18 1/2	@18 1/2
Turkeys, box-packed hens.....	@23 1/2	19 @ 24 1/2
Turkeys, box-packed toms.....	@21	19 @ 21
Ducks, box-packed.....	@15	15 @ 16
Geese, box-packed.....	14 @ 15 1/2	17 @ 20

BUTTER AT FIVE MARKETS

Wholesale prices 92 score Dec. 2 to Dec. 8:

	2.	4.	5.	6.	7.	8.
Chicago.....	29 1/2	29 1/2	29 1/2	29 1/2	29 1/2	29 1/2
New York.....	29 1/2	29 1/2	29 1/2	29 1/2	29 1/2	29 1/2
Boston.....	30	30	30	30	30	30 1/2
Phila.....	29 1/2	29 1/2	29 1/2	29 1/2	29 1/2	30 1/2
San Fran.....	30	30 1/2	30 1/2	30 1/2	30 1/2	30 1/2

Wholesale—Fresh centralized carlots—90 score at Chicago:

House.....	27 1/2	27	27	27	27	27 1/2
Track.....	27 1/2	27 1/2	27 1/2	27 1/2	27 1/2	27 1/2

Receipts of butter by cities (lb.—gross wt.):

	This week.	Last week.	1939.	1938.
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Chgo.....	2,270,289	2,276,143	272,714,037	291,831,516
N. York.....	2,680,855	3,083,774	251,289,024	288,660,373
Boston.....	1,063,472	426,671	72,454,204	78,770,742
Phila.....	887,292	1,134,878	67,705,135	68,537,845
Total.....	6,901,708	6,931,466	664,162,400	727,800,476

Cold storage movement (lb.—net wt.):

	In	Out	On hand	Same day
	Dec. 7.	Dec. 7.	Dec. 8.	last year.

Chicago.....	492,200	32,500,955	66,734,797	
N. York.....	475,578	15,333,900	44,307,493	
Boston.....	55,427	1,088,717	3,642,237	
Phila.....	7,200	4,290	701,053	531,321
Total.....	74,263	1,025,495	49,654,527	115,215,848

HIDES AND SKINS

Packer heavy hides steady to firm—Light stock moving $\frac{1}{4}$ @ $\frac{1}{2}$ c higher—Total sales 75,000 hides—South American market up 1c—Packer calf and native kipskins sell $\frac{1}{2}$ c up.

Chicago

PACKER HIDES.—The packer hide market appears firm on heavy stock, with native steers well sold up at steady price and branded steers moving at last week's advanced asking prices; light stock is strong, as evidenced by an advance of $\frac{1}{2}$ c on extreme light native and Texas steers, and advances of $\frac{1}{4}$ @ $\frac{1}{2}$ c on light native cows, depending upon points; branded cows moved up $\frac{1}{2}$ c for preferred points. Total reported sales so far about 75,000 hides, Nov.-Dec. take-off but running well to Dec. in spots.

Aside from the firm situation within the industry, a general firming up of outside commodities during the week was also reflected in hide futures, which are presently 50@59 points over last Friday.

Native steers moved early at steady price of 14 $\frac{1}{2}$ c for 13,000 Nov.-Dec. take-off; market well sold up. One lot of 1,000 Nov.-Dec. extreme light native steers sold at 15 $\frac{1}{2}$ c, or $\frac{1}{2}$ c advance.

A total of 13,000 butt branded steers moved at 14 $\frac{1}{2}$ c, which price had been paid previous week at New York and asked here. A total of 14,900 mostly Dec. Colorados brought 14 $\frac{1}{2}$ c, previous week's asking price, and now closely sold up. About 2,900 heavy Texas steers moved at 14 $\frac{1}{2}$ c. Light Texas steers are scarce and quoted 13 $\frac{1}{2}$ @14c nom. One lot of 1,100 extreme light Texas steers sold at 14 $\frac{1}{2}$ c, or $\frac{1}{2}$ c up.

Two packers moved a total of 5,900 Nov.-Dec. heavy native cows at 14 $\frac{1}{2}$ c, or $\frac{1}{2}$ c over last actual sale; other packers declined bids of 14 $\frac{1}{2}$ c, asking 14 $\frac{1}{2}$ c. Two lots totalling 8,000 Nov.-Dec. northern light native cows sold at 14 $\frac{1}{2}$ c, which had been paid last week in combination with River points; 4,000 River point light native cows sold at 15c; another lot of 2,300 sold, also at 14 $\frac{1}{2}$ c for northern and 15c for River points; bids of 14 $\frac{1}{2}$ c later declined for northern, asking 15c. About 4,000 special weight light cows moved earlier, under 48 lb. and special points, at 15 $\frac{1}{2}$ c Chgo. and 15 $\frac{1}{2}$ c Cleveland. One packer sold 3,800 branded cows on private terms; while no confirmation was obtainable, it was generally understood among the trade that these moved at 14 $\frac{1}{2}$ c, or $\frac{1}{2}$ c up, for picked southwestern points.

The Association sold a car of native bulls at end of last week at 10 $\frac{1}{2}$ c, or $\frac{1}{2}$ c over earlier asking price; bid of 10 $\frac{1}{2}$ c declined by packers this week. Branded bulls nominally a cent less.

The statistical position of the market shows steady improvement. Federal in-

spected slaughter of cattle during Nov. was 837,311 head, as against 893,070 in Oct. and 858,187 in Nov. 1938; calf slaughter in Nov. was 449,906 head, compared with 481,620 in Oct. and 457,299 in Nov. 1938.

Withdrawals of hides from Exchange warehouses during first twelve days of Dec. totalled 31,684, as against 35,338 during same period in Nov. Warehouse stocks on Dec. 12 were down to 977,350 hides, with 27,786 more pending certification.

OUTSIDE SMALL PACKER HIDES.—Various sales of outside small packer all-weights were reported in a range of 13 $\frac{1}{2}$ @14c, selected, Chgo. freight, for natives, brands $\frac{1}{2}$ c less, depending upon average weight and section. Lighter average stock moved in a range of 13 $\frac{1}{2}$ @14 $\frac{1}{2}$ c, with choice light stock readily salable at top figure but scarce.

PACIFIC COAST.—Trading is awaited to define the Coast market, which is understood to be fairly well sold up to end of Nov. and Dec. offerings awaited; some quote nominally 13@13 $\frac{1}{2}$ c.

FOREIGN WET SALTED HIDES.—The South American market moved up a full cent this week on standard steers. These hides, of course, are entering the season of prime summer quality, and the market had previously been in a closely sold up position. A pack of 5,000 LaPlata steers sold early mid-week to the States at 98 pesos, equal to 14 $\frac{1}{2}$ c, c.i.f. New York, as against 93 pesos or 13 $\frac{1}{2}$ c paid previous week. Later, 4,000 Wilson and 3,000 Smithfield steers sold to the States at 100 pesos or 14 $\frac{1}{2}$ c.

COUNTRY HIDES.—The country market is firmer; interest has centered around light stock but seemingly is spreading to other descriptions. Offerings of untrimmed all-weights are limited and market quoted 12 $\frac{1}{2}$ @12 $\frac{1}{2}$ c, selected, del'd Chgo., with top usually demanded. Heavy steers and cows dull and nominal around 10 $\frac{1}{2}$ c. Trimmed buff weights appear readily salable at 12 $\frac{1}{2}$ c, while 12 $\frac{1}{2}$ c is reported to have been paid and 13c now asked. Trimmed extremes sold early at 14 $\frac{1}{2}$ c, but 14 $\frac{1}{2}$ c was later pretty generally declined and 15c reported to have been paid; 15c is usually asked. Sales of country bulls were reported at 8c, trimmed. Glues quoted 9 $\frac{1}{2}$ @10c trimmed. All-weight branded hides are salable at 10 $\frac{1}{2}$ c flat, with 11 $\frac{1}{4}$ @11 $\frac{1}{2}$ c asked.

CALFSKINS.—There is a fair inquiry for packer northern heavy calfskins 9 $\frac{1}{2}$ /15 lb., and market appears strong; although no bids reported higher than last paid price of 26c, neither are offerings apparent at the moment and market nominal around 26 $\frac{1}{2}$ c, based on reported sale of a car Nov. River point heavies at 25 $\frac{1}{2}$ c, or $\frac{1}{2}$ c up. Market in general closely sold up.

LATER.—Bid of 27c reported for northern heavy calf and 26c for lights.

Chicago city calfskins advanced a cent at the week-end when a car 8/10 lb. sold at 22c; a similar advance was obtained on 10/15 lb. mid-week when a car moved at 23c. Outside cities, 8/15 lb., are quoted 22@22 $\frac{1}{2}$ c nom.; straight countries 16@16 $\frac{1}{2}$ c flat. Chicago city light calf and deacons quoted around \$1.60.

KIPSKINS.—An advance of $\frac{1}{2}$ c was obtained by one packer on the sale of 2,200 Dec. southern native kipskins at 20 $\frac{1}{2}$ c; on this basis, northern natives are nominal at 21 $\frac{1}{2}$ c. One lot of 2,500 Dec. northern over-weights sold at 20c, and 1,800 southern over-weights at 19c, these prices being steady with last week's nominal figures but $\frac{1}{2}$ c over last actual sales. Branded kips are nominal at 18@18 $\frac{1}{2}$ c, with 17 $\frac{1}{2}$ c last paid. Kips are closely sold up to the end of November.

Chicago city kipskins are firm and quoted nominally 18 $\frac{1}{2}$ @19c pending trading. Outside cities around 18 $\frac{1}{2}$ c nom.; straight countries 15 $\frac{1}{2}$ @16c flat.

Packers are sold up to end of Nov. on regular slunks, with \$1.10 reported last paid.

HORSEHIDES.—Offerings of horsehides are moderate and market appears firm. Good city renderers, with manes and tails, quoted \$5.25@5.35, selected, f.o.b. nearby sections; some buyers report a slowing up of garment leather and not inclined to pay the prices asked. Ordinary trimmed renderers quoted \$5.00@5.10, del'd Chgo.; mixed city and country lots \$4.60@4.75, Chgo.

SHEEPSKINS.—Dry pelts are slow and available at 17 $\frac{1}{2}$ @18c per lb., del'd Chgo. Trade in packer shearlings is slow, due mainly to light production now, although buying interest appears not overly active. The market is quoted generally around \$1.40 for No. 1's, 85c for No. 2's and 50c for No. 3's, with various quotations around in a range of 5c up or down from these figures; actual trading hardly sufficient to define values. Buyers of outside small packer shearlings usually figure one-half to two-thirds above values on scattered offerings. Pickled skins continue slow, with market nominal around \$5.75@6.00 per doz. straight run, and buyers' ideas usually lower for current production. Packer Dec. wool pelts quoted \$2.35 per cwt. live basis recently paid; small packer pelts quoted \$2.20@2.25 per cwt. live basis.

New York

PACKER HIDES.—While there has been no action as yet on Dec. hides, the eastern market is well sold up to end of Nov. and appears firm at last paid levels, or 14 $\frac{1}{2}$ c for native and butt branded steers and 14 $\frac{1}{2}$ c for Colorado steers.

CALFSKINS.—No trading was reported this week in collector calfskins but offerings appear limited and market has a strong undertone. Collector's 4-5's are nominal around \$1.55, 5-7's about \$2.00, 7-9's \$2.50, and 9-12's \$3.55. Packers sold 6,000 of the 7-9's this week at \$2.85, and 10,000 of the 9-12's moved at \$3.80.

CHICAGO HIDE FUTURES

Saturday, Dec. 9.—Close: Dec. 13.85 n; Mar. 14.25 n; June 14.50 n; no sales; unchanged.

Monday, Dec. 11.—Close: Dec. 13.85 n; Mar. 15.04; June 14.50 n; 1 lot; unchanged to 79 higher.

Tuesday, Dec. 12.—Close: Dec. 13.85 n; Mar. 15.04 n; June 14.50 n; no sales; unchanged.

Wednesday, Dec. 13.—Close: Dec. 15.00 b; Mar. 15.37; 2 lots; 33@115 higher.

Thursday, Dec. 14.—Close: Dec. 15.00 n; Mar. 15.37 n; no sales; unchanged.

Friday, Dec. 15.—Close: Dec. 15.00 n; Mar. 15.37 n; no sale; closing unchanged.

CHICAGO HIDE MOVEMENT

Receipts of hides at Chicago for the week ended December 9, 1939, were 4,031,000 lbs.; previous week 4,223,000 lbs.; same week last year, 6,946,000 lbs.; from Jan. 1 to date 224,960,000 lbs.; a year ago, 233,129,000 lbs.

Shipments of hides from Chicago for week ended December 9, 1939, were 4,853,000 lbs.; previous week 6,194,000 lbs.; same week last year 4,963,000 lbs.; from Jan. 1 to date 247,915,000 lbs.; a year ago, 219,196,000 lbs.

TALLOW FUTURE TRADING

Monday, Dec. 11.—Close: Dec. and Jan., 5.40 b; Feb. Mar. and May, 5.50 b.

Tuesday, Dec. 12.—Mar. and May, 5.50 b; 4 lots.

Wednesday, Dec. 13.—Close: Dec. and Jan., 5.40 b; May, 5.50 b.

Thursday, Dec. 14.—Close: Mar. and May, 5.50 b; no sales.

Friday, Dec. 15.—Close: Dec. and Jan., 5.40 b; Mar. 5.55 b.

DANES CONSIDER U. S. MARKET

Denmark is considering the possibility of producing tinned hams suitable for the American market, according to information received by the Institute of American Meat Packers. Some Danish interests are reported to believe that they could get American business formerly enjoyed by Poland.

ARGENTINE BEEF EXPORTS

Cable reports of Argentine exports of beef this week up to December 15, 1939: To the United Kingdom 164,472 quarters; to the Continent, 6,596. A week ago, to the United Kingdom, 43,780 quarters; to the Continent none.

MEAT AND LARD EXPORTS

Exports through port of New York during week ended December 14, were 926,785 lbs. lard, and 542,500 lbs. bacon.

WEEK'S CLOSING MARKETS

FRIDAY'S CLOSING

Provisions

Hog products were barely steady during the latter part of the week with hogs; there was some profit taking on setback in grains, but trade was moving slowly, pending government relief purchase announcement.

Cottonseed Oil

Cottonseed oil was less active and rather firm; profit taking, due to setback in other commodities was readily absorbed. Cash trade was further improved with rumors of small lots sold for export. Crude oil sold at 6c lb. for Southeast, Valley, Oklahoma and Texas. Refiners raised shortening 1/4c lb. to 9 1/2c lb.

Quotations on bleachable cottonseed oil at close of market on Friday were: Jan., 7.05@7.08; March, 7.19@7.20; May, 7.31@7.32; July, 7.41; 261 lots; closing firm.

Tallow

New York extra tallow quoted at 5 1/2c.

Stearine

Stearine was quoted at 6 1/2@7c.

Friday's Lard Markets

New York, December 15, 1939.—Prices are for export. Lard, prime western, 7.10@7.20c; middle western, 7.10@7.20c; city, 6 1/2@6 3/4c; refined continent, 7 1/2@7 3/4c; South American, 7 1/2@7 3/4c; Brazil kegs, 7 1/2@8c; shortening, 9 1/2c.

Watch The Markets!

It's just as important to know the market when prices are high as when they are low. It is vital to know the market when prices are fluctuating up or down.

A car of product sold at 1/4c under the market costs the seller \$37.50; at 1/4c under he loses \$75.00; at 1c under he loses \$300.00.

The same is true of BUYERS of carlot product. If they pay over the going market they stand to lose similar amounts.

THE NATIONAL PROVISIONER'S DAILY MARKET SERVICE gives an exact reflection of the market and the market prices on each of the full trading days of the week.

For full information, write THE NATIONAL PROVISIONER, 407 S. Dearborn St., Chicago, Ill.

CHICAGO HIDE QUOTATIONS

Quotations on hides at Chicago for the week ended Dec. 15, 1939 with comparisons:

PACKER HIDES.			
	Week ended Dec. 15.	Prev. week.	Cor. week, 1938.
Hvy. nat. str.	@14 1/2	@14 1/2	@12
Hvy. Tex. str.	@14 1/2	@14 1/2ax	@12
Hvy. butt brnd'd	@14 1/2	@14 1/2	@12
strs.....	@14 1/2	@14 1/2	@11 1/2
Hvy. Col. str.	@14 1/2	@14 1/2	@11 1/2
Ex-light Tex.	@14 1/2	@14	@11b
strs.....	@14 1/2	@14	@11b
Brnd'd cows..	@14 1/2	@14	@11
Hvy. nat.	@14 1/2	@14 1/2	@11 1/2
cows.....	@14 1/2	@14 1/2	@11 1/2
Lt. nat. cows..	@14 1/2	@14 1/2	@11 1/2
Nat. bulls.....	@11 1/2	@10 1/2	@8 1/2
Brnd'd bulls..	@10 1/2	@9 1/2	@7 1/2
Calfskins.....	@25 1/2	@26 1/2	@17 1/2
Kips, nat.....	@21 1/2	@21	@15
Kips, ov-wt....	@20	@20	@14
Kips, brnd'd..	@18 1/2	@17 1/2	@12 1/2
Slunks, reg....	@1.10	@1.10	@75
Slunks, hrls..	@65	@65	@35

Light native, butt branded and Colorado steers 1c per lb. less than heavies.

CITY AND OUTSIDE SMALL PACKERS.

Nat. all-wts..	@13 1/2	@13 1/2	@10 1/2
Branded.....	@13 1/2	@13 1/2	@10 1/2
Nat. bulls.....	@9 1/2	@9 1/2	@7 1/2
Brnd'd bulls..	@8 1/2	@8 1/2	@6 1/2
Calfskins.....	@22 1/2	@23 1/2	@14 1/2
Kips.....	@18 1/2	@18 1/2	@13 1/2
Slunks, reg....	@1.00n	@1.00n	@70n
Slunks, hrls..	@50n	@50n	@30n

COUNTRY HIDES.

Hvy. steers...	@10 1/2n	@10 1/2	7 1/2@7 1/2
Hvy. cows....	@10 1/2n	@10 1/2	7 1/2@7 1/2
Bufs.....	@12 1/2	@12 1/2	8 1/2@8 1/2
Extremes.....	@14 1/2	@14 1/2	@10 1/2
Bulls.....	@8	@8	5 1/2@4n
Calfskins.....	@16 1/2	@16 1/2	10 1/2@11
Kipskins.....	@15 1/2	@15 1/2	@10m
Horsehides...	@4.60@5.35	@4.50@5.30	2.50@3.25

SHEEPSKINS.

Pkr. shearlgs.	@1.40	1.40@1.50n	70@75
Dry pelts.....	@17 1/2	@18	@19n

NEW YORK HIDE FUTURES

Saturday, Dec. 9.—Close: Dec. 14.81@14.90; Mar. 15.02; June 15.27@15.30; Sept. 15.52; Dec. (1940) 15.75 n; 55 lots; 10@17 higher.

Monday, Dec. 11.—Close: Dec. 14.87@14.92; Mar. 15.01@15.02; June 15.31@15.32; Sept. 15.56 n; Dec. (1940) 15.79 n; 165 lots; 1 lower to 6 higher.

Tuesday, Dec. 12.—Close: Dec. 15.09 n; Mar. 15.29; June 15.58@15.59; Sept. 15.83 n; Dec. (1940) 16.06 n; 376 lots; 22@28 higher.

Wednesday, Dec. 13.—Close: Dec. 15.28 n; Mar. 15.43; June 15.70@15.72; Sept. 15.97@16.01; Dec. (1940) 16.22 n; 268 lots; 12@19 higher.

Thursday, Dec. 14.—Close: Dec. 15.23 n; Mar. 15.38; June 15.69@15.70; Sept. 15.96 n; Dec. (1940) 16.21 n; 227 lots; 1@5 lower.

Friday, Dec. 15.—Close: Dec. 15.25 n; Mar. 15.41@15.43; June 15.71; Sept. 15.95@16.00; 123 sales; closing 3 higher to 4 lower.

EXPORTS OF SPECIAL MEATS

Meat specialties exported in October:

	Oct. Lbs.	Oct. Value.
Kidneys and livers.....	788,908	\$69,930
Tongues.....	264,686	41,563
Poultry and game.....	200,647	42,032

LIVESTOCK MARKETS *Weekly Review*

November Kill Larger As Hog Runs Increase

REPORTS on slaughter of livestock during the first month of the packer fiscal year 1939-40 showed a big increase in the hog kill, but fewer cattle and calves were processed. About 16,000 more sheep and lambs were slaughtered than in November a year ago, but the total was less than the October kill.

Cattle kill was the smallest for the month since 1933, but was larger than in November from 1928 to 1933, inclusive. Hog slaughter was the heaviest for the month since 1933, and the sheep and lamb kill was the largest, with only two exceptions, in more than 20 years. Calf slaughter was the smallest for November since 1932, but was considerably greater than in any November prior to that time.

November slaughter of cattle, hogs, sheep and calves in 1939, compared with the same month in each of the preceding ten years:

Nov.	Cattle	Hogs	Sheep	Calves
1939	837,311	4,486,799	1,468,801	450,000
1938	858,187	3,913,289	1,452,966	457,000
1937	855,835	3,294,747	1,321,269	468,000
1936	968,167	4,291,635	1,543,916	477,000
1935	955,694	2,421,898	1,406,985	480,000
1934	887,092	4,311,939	1,328,869	480,000
1933	777,005	4,501,047	1,355,930	424,000
1932	627,328	3,778,183	1,338,485	377,000
1931	614,208	4,217,819	1,505,120	355,000
1930	605,048	4,023,718	1,305,482	324,000
1929	731,407	4,498,554	1,159,150	358,000

Total slaughter of each kind of livestock for the packer fiscal year ended with October, 1939, compared with the period ended with October, 1938:

	1938-39	1937-38
Cattle	9,876,000	9,452,000
Calves	5,538,000	5,307,000
Hogs	35,181,000	39,954,000
Sheep	17,984,000	17,184,000

Slaughter of each class of livestock for the 11 months of 1939, compared

with the like period in each of the past ten years:

11 mos.	Cattle	Hogs	Sheep	Calves
1939	8,672,895	36,131,404	15,852,332	4,883,000
1938	9,018,470	31,840,331	16,712,714	5,074,000
1937	9,210,109	27,683,684	15,867,333	5,829,000
1936	9,984,756	31,373,868	15,642,746	5,576,000
1935	8,773,637	23,182,772	16,275,534	5,199,000
1934	9,149,966	39,679,499	14,761,569	5,631,000
1933	7,934,506	42,695,854	15,963,435	4,504,000
1932	7,068,347	40,661,374	16,634,745	4,166,000
1931	7,241,882	39,385,356	16,490,027	4,329,000
1930	7,478,817	39,619,692	15,275,154	4,197,000
1929	7,666,001	43,361,669	12,932,373	4,142,000

CATTLE AND LAMB FEEDING

More cattle and more lambs will be fed this season than last, the Agricultural Marketing Service reports in its December 1 survey. "Along with the big increase in cattle feeding operations in the Corn Belt, indications now are that more cattle also will be fed this season in the 11 Western states."

Earlier reports to the effect that more lambs will be fed in the Corn Belt and fewer in the Western states were confirmed during November. However, the decrease in the Western states is less than was indicated earlier, and the increase in the Corn Belt is larger. The total number on feed on January 1, 1940 is expected to be somewhat larger than a year earlier.

LARD YIELD AND PRODUCTION

Average yield of lard (rendered weight) per animal during October was 29.09 lbs. compared with 30.79 lbs. in September and 27.15 lbs. in October, 1938. This yield was 12.80 per cent of the live weight in October, 1939, 13.12 per cent in September, and 12.34 per cent in October, 1938.

Production, estimated on the basis of number of hogs slaughtered under federal inspection (including leaf) totaled 102,914,000 lbs. in October, 1939.

MONTH'S WEIGHTS AND PRICES

Heavy supplies of hogs, coming at a time when poultry was plentiful and cheap, influenced prices of all classes of livestock during November. Hog prices dropped to the lowest level for the month in five years, heavy fat steer prices were lower, and lamb prices declined sharply.

At Chicago, yearling steers were in demand throughout the period and commanded good prices. Heavy steers were too plentiful, while receipts of Westerns were the smallest for the period in 50 years. Small movement of this class is due to fact that large numbers of Western feeders have moved directly from range to feedlots. Plain cattle continued in relatively small supply and sold at good prices throughout the month of November.

Average weight of cattle at Chicago during November at 1,040 lbs. was the heaviest for any month of the year to date. It was 58 lbs. heavier than in November a year ago, 61 lbs. heavier than in the same month two years ago and 22 lbs. heavier than in November, 1936.

The hog average at 238 lbs. was seasonally light, but was 3 lbs. heavier than in November one and two years ago and 21 lbs. heavier than in November, 1936. The lamb average was 85 lbs. compared with 84 lbs. a year ago, 87 lbs. two years ago and 81 lbs. in November, 1936.

Average price of yearling steers during November was \$9.30. This average increased gradually to \$9.70 for steers weighing from 1,350 to 1500 lbs., but dropped to \$9.25 for kinds weighing 1,500 lbs. and over. Average price of all steers for the month was \$9.50. Cannery and cutters averaged \$4.40, fat cows and heifers \$7.75 and bologna bulls \$6.50. Most cattle in these classes were higher in price than in November, 1938.



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CORN BELT DIRECT TRADING

(Reported by U. S. Bureau of Agricultural Economics.)

Des Moines, Ia., December 14, 1939.—At 16 concentration points and 10 packing plants in Iowa and Minnesota receipts were lighter during the first four days of this week, but the market continued to ease lower. Compared with last Saturday, Thursday's market closed steady to 15c lower; mostly 5-10c off.

On Thursday's session, good to choice, 180-220-lb. butchers sold generally from \$4.85@5.20, with the outside price paid very sparingly at plants. Bulk of these weights sold from \$4.90@5.10, but mostly from \$5.00@5.10 at plants. Averages of 220-240-lb. brought \$4.75@5.05; 240-270-lb., \$4.60@4.90; 270-300-lb., \$4.50@4.75; 300-330-lb., \$4.40@4.65; 330-360-lb., \$4.30@4.55. Better grades 160-180-lb., \$4.50@4.95. Sows 330-lb. down \$4.20@4.60, mostly \$4.35@4.50, at plants; 330-400-lb. packers, \$4.05@4.45; 400-500-lb., \$3.80@4.25.

Receipts at Corn Belt markets for week ended December 14:

	This week.	Last week.
Friday, Dec. 8.....	56,900	30,400
Saturday, Dec. 9.....	37,400	45,800
Monday, Dec. 11.....	54,000	66,500
Tuesday, Dec. 12.....	35,500	43,500
Wednesday, Dec. 13.....	35,100	40,300
Thursday, Dec. 14.....	59,600	41,900

SLAUGHTER BY STATIONS

Livestock slaughter under federal inspection during November, by stations:

	Cattle.	Calves.	Sheep and Lambs.	Hogs.
Chicago ¹	108,636	23,586	194,029	507,453
Denver	11,985	2,080	24,582	26,428
Kansas City	56,711	25,715	82,437	203,144
New York ²	37,510	50,821	236,754	216,685
Omaha	59,590	4,922	84,340	194,031
St. Louis ³	53,024	39,926	62,193	263,599
St. Paul	24,739	1,454	62,231	145,282
So. St. Paul ⁴	54,896	49,717	101,638	324,240
All other stations	430,220	251,585	600,597	2,555,817
Total:				
Nov., 1939	837,311	449,906	1,468,801	4,436,799
Nov., 1938	858,187	457,299	1,452,966	3,913,289
January, 1939	8,672,895	4,882,927	15,852,332	36,131,404
1938	9,018,470	5,074,392	16,712,714	31,840,331

¹Includes Elburn, Ill. ²Includes Jersey City and Newark, N. J. ³Includes National Stock Yards and East St. Louis, Ill. ⁴Includes Newport and St. Paul, Minn.

RECEIPTS AT CHIEF CENTERS

Receipts for week ended Dec. 9:

At 20 markets:		Cattle.	Hogs.	Sheep.
Week ended Dec. 9.....	203,000	603,000	244,000	
Previous week	193,000	508,000	237,000	
1938	192,000	415,000	263,000	
1937	228,000	455,000	284,000	
1936	270,000	568,000	294,000	
At 11 markets:		Hogs.		
Week ended Dec. 9.....			527,000	
Previous week			437,000	
1938			350,000	
1937			396,000	
1936			480,000	
1935			303,000	
At 7 markets:		Cattle.	Hogs.	Sheep.
Week ended Dec. 9.....	144,000	458,000	175,000	
Previous week	138,000	370,000	161,000	
1938	124,000	298,000	169,000	
1937	160,000	328,000	201,000	
1936	185,000	418,000	178,000	
1935	171,000	262,000	151,000	

LIVESTOCK PRICES AT LEADING MARKETS

Livestock prices at five leading Western markets, Thursday, December 14, 1939, as reported by the U. S. Agricultural Marketing Service.

	CHICAGO.	NAT. STK. YDS.	OMAHA.	KANS. CITY.	ST. PAUL.
Hogs (soft & oily not quoted).					
BARROWS AND GILTS:					
Good-choice:					
120-140 lbs.	\$ 4.75@ 5.30	\$ 4.80@ 5.20			\$ 4.85@ 5.10
140-160 lbs.	5.00@ 5.40	5.15@ 5.55	\$ 4.50@ 4.90	\$ 5.10@ 5.25	5.10@ 5.15
160-180 lbs.	5.25@ 5.50	5.45@ 5.55	4.75@ 5.10	5.15@ 5.30	5.10@ 5.15
180-200 lbs.	5.30@ 5.50	5.45@ 5.55	5.00@ 5.10	5.20@ 5.30	5.10@ 5.15
200-220 lbs.	5.25@ 5.50	5.40@ 5.50	5.00@ 5.10	5.20@ 5.30	4.90@ 5.10
220-240 lbs.	5.10@ 5.35	5.40@ 5.50	4.95@ 5.05	5.15@ 5.25	4.80@ 5.00
240-270 lbs.	5.00@ 5.30	5.20@ 5.45	4.90@ 5.00	5.00@ 5.20	4.70@ 4.90
270-300 lbs.	4.90@ 5.15	5.00@ 5.25	4.80@ 4.90	4.95@ 5.10	4.45@ 4.70
300-330 lbs.	4.95@ 5.00	4.90@ 5.05	4.70@ 4.80	4.80@ 5.00	4.50@ 4.65
330-360 lbs.	4.65@ 4.90	4.85@ 4.95		4.75@ 4.90	4.40@ 4.50
Medium:					
160-220 lbs.	4.90@ 5.25	4.65@ 5.45	4.70@ 5.00	4.85@ 5.15	4.75@ 5.00
SOWS:					
Good and choice:					
270-300 lbs.	4.60@ 4.70	4.70@ 4.85	4.50@ 4.60	4.50@ 4.65	4.30 only
300-330 lbs.	4.55@ 4.65	4.65@ 4.75	4.40@ 4.50	4.50@ 4.60	4.30 only
330-360 lbs.	4.45@ 4.60	4.60@ 4.75	4.40@ 4.50	4.45@ 4.65	4.20@ 4.30
Good:					
360-400 lbs.	4.40@ 4.55	4.50@ 4.65	4.40@ 4.50	4.40@ 4.50	4.20@ 4.30
400-450 lbs.	4.30@ 4.45	4.45@ 4.55	4.30@ 4.40	4.35@ 4.45	4.20@ 4.30
450-500 lbs.	4.15@ 4.35	4.25@ 4.50	4.20@ 4.30	4.15@ 4.30	4.20 only
Medium:					
250-500 lbs.	4.00@ 4.40	4.10@ 4.60	4.20@ 4.35	4.10@ 4.60	4.00@ 4.20
PIGS (Slaughter):					
Medium and good, 90-120 lbs.	4.25@ 5.10	4.25@ 4.90			4.50@ 5.00
Slaughter Cattle, Vealers and Calves:					
STEERS, choice:					
900-1100 lbs.	10.50@11.25	10.00@10.75	10.25@10.90	10.00@11.00	9.50@10.50
750-900 lbs.	10.25@11.25	9.75@10.75	10.00@10.90	9.50@11.00	9.25@10.50
1100-1300 lbs.	9.75@10.50	9.50@10.50	9.50@10.75	9.00@10.50	9.00@10.25
1300-1500 lbs.	9.25@10.25	9.25@10.25	9.25@10.35	8.75@ 9.75	9.00@10.00
STEERS, good:					
750-900 lbs.	9.25@10.50	8.75@10.00	9.25@10.25	8.35@10.00	8.50@ 9.50
900-1100 lbs.	9.00@10.25	8.50@10.00	8.75@10.25	8.00@10.00	8.25@ 9.50
1100-1300 lbs.	8.75@10.00	8.50@ 9.50	8.50@ 9.75	8.00@ 9.50	8.25@ 9.25
1300-1500 lbs.	8.25@ 9.50	8.25@ 9.25	8.25@ 9.50	8.00@ 9.00	8.00@ 9.00
STEERS, medium:					
750-1100 lbs.	7.50@ 9.00	7.50@ 8.75	7.50@ 8.75	7.00@ 8.00	7.50@ 8.50
1100-1300 lbs.	7.50@ 8.25	7.25@ 8.50	7.25@ 8.25	7.00@ 8.00	7.25@ 8.25
STEERS, common:					
750-1100 lbs.	6.50@ 7.50	6.25@ 7.25	6.25@ 7.50	6.25@ 7.00	6.25@ 7.50
STEERS, HEIFERS AND MIXED:					
Choice, 500-750 lbs.	10.00@11.00	9.50@10.25	9.75@10.75	9.50@10.50	9.25@10.25
Good, 500-750 lbs.	9.25@10.00	8.25@ 9.50	8.50@ 9.75	8.00@ 9.50	8.25@ 9.50
HEIFERS:					
Choice, 750-900 lbs.	10.00@10.75	9.25@10.00	9.25@10.25	9.00@10.00	9.00@10.00
Good, 750-900 lbs.	8.50@10.00	8.00@ 9.25	8.00@ 9.25	8.00@ 9.50	8.00@ 9.25
Medium, 500-900 lbs.	7.00@ 8.50	7.00@ 8.00	7.00@ 8.00	7.00@ 8.00	6.75@ 8.00
Common, 500-900 lbs.	6.00@ 7.00	6.00@ 7.00	6.00@ 7.00	6.00@ 7.00	5.50@ 6.75
COWS, all weights:					
Good	6.00@ 7.00	6.00@ 7.25	6.00@ 6.75	6.00@ 6.75	5.75@ 6.50
Medium	5.25@ 6.00	5.00@ 6.00	5.00@ 6.00	5.35@ 6.00	5.25@ 5.75
Cutter and common	4.40@ 5.25	4.50@ 5.00	4.25@ 5.00	4.50@ 5.35	4.25@ 5.25
Canner (low cutter)	3.50@ 4.40	3.50@ 4.50	3.75@ 4.25	3.75@ 4.50	3.25@ 4.25
BULLS (Ylgs. Excl.), all weights:					
Beef, good	6.75@ 7.25	6.50@ 7.00	6.50@ 6.85	6.35@ 6.60	7.00@ 7.25
Sausage, good	7.00@ 7.25	6.00@ 6.75	6.25@ 6.75	6.10@ 6.35	6.75@ 7.00
Sausage, medium	6.50@ 7.00	5.50@ 6.00	5.75@ 6.25	5.50@ 6.10	6.00@ 6.75
Sausage, cutter and common	6.00@ 6.50	5.00@ 5.50	5.00@ 5.75	4.75@ 5.50	5.00@ 6.00
VEALERS, all weights:					
Good and choice	9.00@10.00	9.50@10.75	8.00@ 9.50	7.50@ 9.50	8.00@10.00
Common and medium	7.50@ 9.00	7.50@ 9.50	7.00@ 9.00	6.25@ 7.50	5.50@ 8.00
Cull	6.50@ 7.50	5.00@ 7.50	5.00@ 7.00	5.50@ 6.25	4.50@ 5.50
CALVES, 400 lbs. down:					
Good and choice	7.00@ 8.00	8.00@ 9.75	7.50@ 8.50	7.50@ 9.00	8.00@ 9.00
Common and medium	6.00@ 7.00	6.50@ 8.00	6.00@ 7.50	6.00@ 7.50	5.50@ 8.00
Cull	5.00@ 6.00	4.75@ 6.50	5.00@ 6.00	5.00@ 6.00	4.50@ 5.50

Slaughter Lambs and Sheep:¹

LAMBS:					
Choice (closely sorted)	9.00@ 9.10				
*Good and choice	8.50@ 8.80	8.25@ 8.75	8.50@ 8.75	8.50@ 8.75	8.50@ 8.65
*Medium and good	7.85@ 8.25	7.25@ 8.00	7.25@ 8.40	7.25@ 8.25	7.50@ 8.25
Common	6.00@ 7.25	5.50@ 7.00	6.25@ 7.25	6.00@ 7.00	6.00@ 7.25

YEARLING WETHERS (shorn):					
Good and choice	6.85@ 7.90				
Medium	6.10@ 7.10				

EWES (shorn):					
Good and choice	3.50@ 4.50	3.25@ 4.25	3.25@ 4.25	3.50@ 4.25	
Common and medium	2.25@ 3.50	2.25@ 3.25	2.25@ 3.25	2.50@ 3.50	

¹Quotations based on animals of current seasonal market weights and wool grades.
²Quotations on slaughter lambs of good and choice and of medium and good grades, as combined, represent lots averaging within the top half of the good and the top half of the medium grades, respectively.

CHICAGO PACKER PURCHASES

Purchases of livestock at Chicago by the principal packers for the first three days this week were 20,959 cattle, 2,698 calves, 52,820 hogs and 20,867 sheep.

PACIFIC COAST LIVESTOCK

Receipts for 5 days ended Dec. 8:

	Cattle.	Calves.	Hogs.	Sheep.
Los Angeles	4,155	1,965	2,651	371
San Francisco	1,425	80	3,100	5,100
Portland	3,060	215	4,265	3,100

PACKERS' PURCHASES

Purchases of livestock by packers at principal centers for the week ending Saturday, December 9, 1939, as reported to The National Provisioner:

CHICAGO.

Armour and Company, 9,544 hogs; Swift & Company, 8,394 hogs; Wilson & Co., 8,685 hogs; Western Packing Co., Inc., 2,590 hogs; Agar Packing Co., 5,943 hogs; shippers, 11,325 hogs; others, 84,784 hogs.
Total: 35,459 cattle; 4,095 calves; 81,265 hogs; 51,732 sheep.

KANSAS CITY.

	Cattle.	Calves.	Hogs.	Sheep.
Armour and Company	3,743	996	3,416	4,287
Cudahy Pkg. Co.	2,562	630	1,747	3,751
Swift & Company	2,970	410	2,592	3,673
Wilson & Co.	1,560	672	1,970	3,390
Ind. Pkg. Co.	960	200	...	...
Kornblum Pkg. Co.	960	...	...	...
Others	4,488	90	2,256	1,380
Total	15,613	2,809	12,181	16,631

OMAHA.

	Cattle and Calves.	Hogs.	Sheep.
Armour and Company	4,934	12,194	4,779
Cudahy Pkg. Co.	4,105	5,193	6,893
Swift & Company	3,755	4,477	7,777
Wilson & Co.	1,561	5,437	2,974
Others	14,596	...	...

Cattle and calves: Eagle Pkg. Co., 10; Greater Omaha Pkg. Co., 80; Geo. Hoffmann, 40; Lewis Pkg. Co., 864; Nebraska Beef Co., 760; Omaha Pkg. Co., 213; John Roth, 129; South Omaha Pkg. Co., 401; Lincoln Pkg. Co., 185.
Total: 17,037 cattle and calves; 46,839 hogs; 19,423 sheep.

EAST ST. LOUIS.

	Cattle.	Calves.	Hogs.	Sheep.
Armour and Company	2,869	1,563	8,721	4,901
Swift & Company	3,414	1,349	12,296	4,322
Hunter Pkg. Co.	2,110	235	6,123	1,000
Hell Pkg. Co.	...	...	3,130	...
Krey Pkg. Co.	...	...	6,253	...
Laclede Pkg. Co.	...	...	3,144	...
Sieloff Pkg. Co.	...	...	1,981	...
Shippers	4,582	1,810	17,154	1,313
Others	3,241	1,729	2,936	408
Total	16,156	6,686	61,738	11,944

Not including 1,788 cattle, 3,609 calves, 8 hogs, and 2,553 sheep bought direct.

ST. JOSEPH.

	Cattle.	Calves.	Hogs.	Sheep.
Swift & Company	2,373	404	11,427	11,301
Armour and Company	2,473	476	10,832	3,942
Others	1,473	8	1,116	479
Total	6,319	888	23,375	15,722

Not including 4,317 hogs bought direct.

SIoux CITY.

	Cattle.	Calves.	Hogs.	Sheep.
Cudahy Pkg. Co.	2,549	90	12,360	4,700
Armour and Company	2,534	84	12,927	4,352
Swift & Company	2,854	77	7,724	4,191
Shippers	3,246	22	6,007	154
Others	275	16	83	...
Total	11,178	269	39,101	13,397

OKLAHOMA CITY.

	Cattle.	Calves.	Hogs.	Sheep.
Armour and Company	2,420	949	3,495	1,604
Wilson & Co.	2,205	996	3,429	1,257
Others	324	28	2,256	12
Total	4,949	1,973	9,150	2,873

Not including 1,273 hogs bought direct.

DENVER.

	Cattle.	Calves.	Hogs.	Sheep.
Armour and Company	731	141	2,522	2,021
Swift & Company	739	175	2,340	1,608
Cudahy Pkg. Co.	774	104	1,724	1,352
Others	1,402	200	1,899	2,087
Total	3,646	620	8,485	7,068

FT. WORTH.

	Cattle.	Calves.	Hogs.	Sheep.
Armour and Company	2,867	1,302	2,318	2,815
Swift & Company	1,868	1,319	1,615	2,813
Blue Bonnet Pkg. Co.	250	53	738	4
City Pkg. Co.	185	11	894	...
Rosenthal Pkg. Co.	55	4	284	...
Total	5,225	2,689	5,840	5,632

ST. PAUL.

	Cattle.	Calves.	Hogs.	Sheep.
Armour and Company	2,489	3,391	31,081	6,427
Riffin Pkg. Co.	788	83	...	...
Swift & Company	4,096	4,862	52,090	13,311
United Pkg. Co.	2,518	281	...	...
Cudahy Pkg. Co.	436	2,015	...	...
Others	2,352	1,172	...	...
Total	13,279	11,694	83,180	19,738

MILWAUKEE.

	Cattle.	Calves.	Hogs.	Sheep.
Plankinton Pkg. Co.	2,182	4,896	14,165	1,223
Etan Mt. Balt.	...	...	619	...
Omaha Pkg. Co., Chi.	50	...	1,275	254
Corkran Hill, Balt.	...	...	678	...
Van Wagenen & S.N.J.	...	...	182	...
Armour and Company, Mil.	1,009	2,432	...	...
N. Y. B. D. M. Co.	19	...	...	...
Shippers	156	16	124	22
Others	1,042	1,034	149	294
Total	4,458	8,378	17,092	1,798

INDIANAPOLIS.

	Cattle.	Calves.	Hogs.	Sheep.
Shippers	3,280	1,555	21,300	9,797
Kingan Co.	1,611	553	30,462	3,789
Armour and Company	519	156	5,356	...
Hilgelmeyer Bros.	10	...	1,200	...
Stumpf Bros.	...	...	156	...
Meier Pkg. Co.	88	18	379	...
Stark & Wetzel.	182	22	455	...
Maass Hartman Co.	87	14	...	...
Wabnitz & Deten.	42	65	416	96
Others	692	269	345	341
Total	6,770	2,642	58,069	13,983

CINCINNATI.

	Cattle.	Calves.	Hogs.	Sheep.
S. W. Gall's Sons.	...	21	...	298
E. Kahn's Sons Co.	624	245	8,460	1,574
Lohrey Packing Co.	6	...	315	...
H. H. Meyer Pkg. Co.	...	...	5,131	...
J. Schlachter's Sons	164	137	...	78
J. & F. Schroth P. Co.	15	...	4,004	...
J. F. Stegner Co.	546	222	...	13
Shippers	145	...	2,440	...
Others	2,110	582	874	188
Total	3,620	1,207	21,224	2,146

Not including 1,215 cattle, 1,938 hogs and 681 sheep bought direct.

WICHITA.

	Cattle.	Calves.	Hogs.	Sheep.
Cudahy Pkg. Co.	2,005	1,157	5,670	2,611
Dold Pkg. Co.	537	125	1,044	110
Wichita D. B. Co.	7	...	...	...
Dunn-Ostertag	61	...	109	...
Fred W. Dold	94	...	807	...
Sundowner Pkg. Co.	29	...	332	...
Pioneer Cattle Co.	...	...	...	...
Keefe Pkg. Co.	77	...	...	...
Interstate Pkg. Co.	293	...	...	...
Total	3,403	1,282	7,962	2,721

Not including 78 cattle and 2,925 hogs bought direct.

RECAPITULATION.

CATTLE.

	Week ended Dec. 9.	Prev. week.	Cor. week, 1938.
Chicago	35,459	37,340	25,307
Kansas City	15,613	12,805	12,148
Omaha*	17,037	25,752	13,968
East St. Louis.	16,156	16,774	9,093
St. Joseph	6,319	5,881	4,610
Sioux City	11,178	7,695	6,598
Oklahoma City	4,949	3,961	4,290
Wichita	3,403	2,651	2,314
Denver	3,646	2,978	4,428
St. Paul	13,279	9,217	9,392
Milwaukee	4,458	3,091	4,165
Indianapolis	6,770	6,356	6,958
Cincinnati	3,620	3,071	2,615
Ft. Worth	5,225	4,092	5,824
Total	147,112	141,574	111,705

HOGS.

	Week ended Dec. 9.	Prev. week.	Cor. week, 1938.
Chicago	81,265	70,585	63,251
Kansas City	12,181	13,007	7,219
Omaha	8,378	30,589	26,750
East St. Louis.	61,738	58,405	43,514
St. Joseph	23,375	22,323	15,679
Sioux City	39,101	29,505	24,617
Oklahoma City	9,150	6,524	4,628
Wichita	7,962	5,836	2,010
Denver	8,485	5,249	6,098
St. Paul	83,180	51,877	45,457
Milwaukee	17,092	11,084	12,197
Indianapolis	58,069	54,097	35,237
Cincinnati	21,224	19,567	14,401
Ft. Worth	5,849	4,272	5,120
Total	475,460	382,890	306,178

SHEEP.

	Week ended Dec. 9.	Prev. week.	Cor. week, 1938.
Chicago	51,732	47,782	35,864
Kansas City	16,631	15,456	27,902
Omaha	19,423	11,769	12,518
East St. Louis.	11,944	12,260	12,020
St. Joseph	15,722	13,578	16,384
Sioux City	13,397	9,869	10,150
Oklahoma City	2,873	2,329	2,499
Wichita	2,721	1,675	2,028
Denver	7,068	7,113	17,684
St. Paul	19,738	11,889	12,281
Milwaukee	1,793	1,330	2,583
Indianapolis	13,983	13,257	9,811
Cincinnati	2,146	2,824	1,614
Ft. Worth	5,632	5,841	6,838
Total	184,833	157,010	171,466

*Cattle and calves.
†Not including directs.

CHICAGO LIVESTOCK

Statistics of livestock at the Chicago Union Stock Yards for current and comparative periods.

RECEIPTS.

	Cattle.	Calves.	Hogs.	Sheep.
Mon., Dec. 4	12,888	994	34,066	8,816
Tues., Dec. 5	9,410	1,247	29,325	6,288
Wed., Dec. 6	9,728	900	25,729	8,540
Thurs., Dec. 7	4,441	881	27,393	13,470
Fri., Dec. 8	960	237	23,675	9,257
Sat., Dec. 9	100	100	6,000	3,500

*Total this week...37,529 4,390 146,688 49,992
Previous week...44,166 6,084 128,836 55,943
Year ago...30,325 7,524 96,975 43,321
Two years ago...40,735 6,131 127,949 60,089

SHIPMENTS.

	Cattle.	Calves.	Hogs.	Sheep.
Mon., Dec. 4	2,850	45	3,483	2,107
Tues., Dec. 5	3,200	259	2,093	954
Wed., Dec. 6	4,414	89	1,285	...
Thurs., Dec. 7	1,906	21	1,316	4,069
Fri., Dec. 8	1,982	141	2,583	2,976
Sat., Dec. 9	100	...	100	500

Total this week...14,461 555 10,860 10,576
Previous week...13,527 818 9,620 11,109
Year ago...6,079 899 13,200 9,610
Two years ago...13,267 718 18,942 20,513

*Including 870 cattle, 512 calves, 62,485 hogs and 2,095 sheep direct to packers from other points.
†All receipts include directs.

DECEMBER AND YEAR RECEIPTS.

Receipts thus far this month and year to date with comparisons:

	December.		Year.	
	1939.	1938.	1939.	1938.
Cattle	39,169	32,658	1,719,930	1,78

SLAUGHTER REPORTS

Special reports to THE NATIONAL PROVISIONER show the number of livestock slaughtered at 16 centers for the week ended December 9, 1939.

CATTLE.

	Week ended Dec. 9.	Prev. week.	Cor. week. 1938.
Chicago ¹	24,408	27,418	20,322
Kansas City ²	18,422	18,415	15,583
Omaha ³	17,994	13,376	15,416
East St. Louis	11,574	11,627	9,093
St. Joseph	6,611	6,553	4,478
Sioux City	8,243	8,774	4,578
Wichita ⁴	4,763	4,065	3,309
Fort Worth ⁵	5,225	4,002	10,007
Philadelphia	1,827	1,966	1,964
Indianapolis	1,867	1,807	1,567
New York & Jersey City	9,095	9,306	9,081
Oklahoma City ⁶	6,934	3,961	5,994
Cincinnati	4,761	3,901	2,430
Denver	3,931	3,680	4,878
St. Paul	10,491	7,101	9,392
Milwaukee	4,228	3,013	3,639
Total	140,314	122,825	121,681

¹ Cattle and calves.

HOGS.

Chicago	155,033	139,277	102,264
Kansas City	51,844	52,886	37,768
Omaha	59,776	47,908	32,290
East St. Louis	84,612	72,961	74,406
St. Joseph	26,828	23,282	18,833
Sioux City	52,641	40,661	20,989
Wichita	10,887	7,888	3,490
Fort Worth	5,849	4,272	5,120
Philadelphia	10,588	18,903	17,913
Indianapolis	27,977	27,616	22,180
New York & Jersey City	59,036	50,928	47,225
Oklahoma City	10,423	6,524	5,379
Cincinnati	10,167	15,212	11,495
Denver	8,074	6,453	6,087
St. Paul	53,130	51,877	66,761
Milwaukee	14,440	10,869	12,161
Total	689,905	577,387	484,311

¹ Includes National Stock Yards, East St. Louis, Illinois, and St. Louis, Mo.

SHEEP.

Chicago	38,723	38,148	34,523
Kansas City	16,631	15,456	27,902
Omaha	20,290	14,251	15,833
East St. Louis	10,631	10,975	12,020
St. Joseph	15,245	15,215	15,398
Sioux City	14,069	10,221	7,316
Wichita	2,721	1,675	2,028
Fort Worth	5,632	5,841	6,336
Philadelphia	3,200	3,429	4,274
Indianapolis	4,386	3,638	2,816
New York & Jersey City	59,075	61,781	53,262
Oklahoma City	2,873	2,329	2,499
Cincinnati	2,828	1,924	1,634
Denver	4,760	5,025	4,920
St. Paul	19,738	11,939	13,281
Milwaukee	1,536	1,327	2,061
Total	222,196	203,154	206,109

¹ Not including directs.

CALIF. INSPECTED SLAUGHTER

State-inspected kill for November:

Cattle	54,594
Calves	28,695
Hogs	86,697
Sheep	108,928

Meat food products produced under inspection in November totaled:

	Lbs.
Sausage	2,973,763
Pork and beef	2,581,196
Lard and beef substitutes	1,380,179
Chili	17,507
Miscellaneous	.....
Total	7,057,289

ST. LOUIS HOGS IN NOVEMBER

Receipts, weights and range of top prices for hogs at National Stock Yards, Ill., for November, 1939, with comparisons, reported by H. L. Sparks & Co.:

	Nov., 1939.	Nov., 1938.
Total receipts	237,943	246,378
Average weight, lbs.	222	222
Top prices:		
Highest	\$8.90	\$8.15
Lowest	5.55	7.52
Average cost	.....	7.68

¹ Not available. Records lost in fire.

MEAT SUPPLIES AT EASTERN MARKETS

(Reported by the U. S. Bureau of Agricultural Economics.)

WESTERN DRESSED MEATS.

	NEW YORK.	PHILA.	BOSTON.
STEERS, carcass			
Week ending December 9, 1939	9,579	2,815	2,467
Week previous	7,719	2,514	2,111
Same week year ago	10,411	2,869	2,908
COWS, carcass			
Week ending December 9, 1939	1,036	963	2,520
Week previous	834	1,251	2,144
Same week year ago	1,719	1,790	2,981
BULLS, carcass			
Week ending December 9, 1939	374½	341	10
Week previous	284	390	10
Same week year ago	501	453	31
VEAL, carcass			
Week ending December 9, 1939	11,145	1,318	930
Week previous	7,090	1,612	810
Same week year ago	9,815	1,653	596
LAMB, carcass			
Week ending December 9, 1939	41,344	14,970	17,758
Week previous	39,835	14,853	18,001
Same week year ago	42,534	16,162	15,040
MUTTON, carcass			
Week ending December 9, 1939	1,667	162	525
Week previous	1,371	307	161
Same week year ago	1,511	351	817
PORK CUTS, lbs.			
Week ending December 9, 1939	2,586,200	485,308	562,779
Week previous	2,553,090	450,480	421,414
Same week year ago	2,566,767	590,495	295,201
BEEF CUTS, lbs.			
Week ending December 9, 1939	439,369	.....	.....
Week previous	250,459	.....	.....
Same week year ago	650,243	.....	.....

LOCAL SLAUGHTERS.

CATTLE, head	Week ending December 9, 1939	9,095	1,827
	Week previous	9,306	1,966
	Same week year ago	9,081	1,964
CALVES, head	Week ending December 9, 1939	12,286	2,458
	Week previous	11,693	2,236
	Same week year ago	15,057	2,887
HOGS, head	Week ending December 9, 1939	59,036	19,586
	Week previous	50,928	18,903
	Same week year ago	45,209	17,913
SHEEP, head	Week ending December 9, 1939	59,075	3,200
	Week previous	61,781	3,429
	Same week year ago	53,262	4,274

Country dressed product at New York totaled 1,739 veal, 74 hogs and 130 lambs. Previous week 2,949 veal, 97 hogs, and 150 lambs, in addition to that shown above.

WEEKLY INSPECTED KILL

Number of animals processed in selected centers for the week ended December 8, with comparisons:

	Cattle.	Calves.	Hogs.	Sheep.
New York area ¹	9,095	12,184	57,229	58,895
Phila. & Balt.	3,455	1,341	35,433	2,512
Ohio-Indiana group ²	8,989	3,126	66,025	9,980
Chicago	25,475	5,208	155,033	45,191
St. Louis area ³	12,762	10,212	84,612	12,059
Kansas City	14,019	4,882	51,844	15,423
Southwest group ⁴	16,932	7,883	45,174	25,307
Omaha	15,320	1,481	59,776	22,237
Sioux City	7,421	312	52,641	13,453
St. Paul-Wisc. group ⁵	18,628	27,026	150,201	20,781
Interior Iowa & So. Minn. ⁶	16,065	8,015	218,176	43,271
Total	148,161	81,670	971,144	260,129
Total prev. week	137,835	67,853	809,311	274,238
Total last year	135,849	82,023	715,983	247,656

¹ Includes New York City, Newark, and Jersey City. ² Includes Cincinnati and Cleveland, Ohio, and Indianapolis, Ind. ³ Includes National Stock yards and East St. Louis, Ill., and St. Louis, Mo. ⁴ Includes So. St. Joseph, Wichita, Oklahoma City, and Ft. Worth. ⁵ Includes St. Paul, Minn., Madison, and Milwaukee, Wisconsin. ⁶ Includes Albert Lea and Austin, Minn., and Cedar Rapids, Des Moines, Ft. Dodge, Mason City, Marshalltown, Ottumwa, Storm Lake, and Waterloo, Iowa.

CANADIAN LIVESTOCK PRICES

	STEERS.	VEAL CALVES.	BACON HOGS.	GOOD LAMBS.
	Week ended Dec. 7.	Last week.	Same week 1938.	
Toronto	\$ 7.50	\$ 7.75	\$ 7.00	\$12.00
Montreal	7.85	7.85	7.00	10.50
Winnipeg	7.00	7.00	6.00	11.00
Calgary	6.50	6.50	5.50	10.00
Edmonton	6.50	6.50	6.00	8.50
Prince Albert	6.00	6.00	5.00	8.00
Moose Jaw	6.25	6.25	5.00	8.50
Saskatoon	6.75	6.75	5.00	8.50
Regina	6.50	7.00	4.75	8.50
Vancouver	7.00	7.25	.....	8.25
Toronto	\$ 9.00	\$ 9.00	\$ 9.00	\$10.00
Montreal	9.35	9.25	9.25	9.00
Winnipeg	8.50	8.50	8.65	8.00
Calgary	8.15	8.15	8.25	8.75
Edmonton	8.10	8.20	8.00	8.50
Prince Albert	8.20	8.20	8.40	8.50
Moose Jaw	8.25	8.25	8.50	8.50
Saskatoon	8.20	8.20	8.40	8.50
Regina	8.25	8.25	8.50	8.50
Vancouver	8.25	8.25	.....	8.50

¹ Montreal and Winnipeg hogs sold on a "F. & W." basis; all others "off trucks."

CARELESS HOG SCALDING

Careless work in hog scalding costs money. Read "PORK PACKING," The National Provisioner's handbook on operations in the pork plant.

Pork and Lard Markets

(Continued from page 31.)

tom in the hog market has been reached and that prices can be expected to level off and gradually work higher.

CARLOT TRADING

There was fair scattered trade on green regular hams; both the 14/16 and the heavy end eased off $\frac{1}{4}$ c. Demand for skinned hams was only fair and trading was limited on the light and medium averages. Light picnics were not offered freely and prices held fairly steady throughout the period. The 6/8 declined about $\frac{3}{4}$ c during the week in fair trade. There was good trade in the 8 and up, but prices were inclined to easiness.

Trade in green seedless bellies was scattered but a fair amount of business was transacted Thursday. The 12/14 green regular hams were unchanged at 12 $\frac{1}{2}$ c and 10/16 range closed at 12 $\frac{1}{4}$ c, $\frac{1}{4}$ c down from the preceding Thursday. The 4/6 green picnics remained unchanged from a week ago at 9 $\frac{1}{4}$ c; most other averages were off $\frac{1}{4}$ to $\frac{1}{2}$ c and the 8 and up were quoted at 7 $\frac{1}{2}$ c compared with 8 $\frac{1}{2}$ c last Thursday. The heavier averages of green seedless bellies were steady to higher; the 12/14 were up $\frac{1}{4}$ c at 8 $\frac{1}{4}$ c and others were unchanged.

DRY SALT MEATS

There was only scattered trade in D. S. bellies during the period with the light end on the easy side. The lights

were more freely offered than the heavier bellies as the latter appeared to be pretty well sold up. At midweek the turnover in the belly future market developed a loophole at a time when it was hard to sell 20/25's at 6 $\frac{1}{2}$ c. This average was bid up to 7c in the pit and several cars for January delivery were sold at this price. There were some inquiries for fat backs for export and a few cars of heavy bellies sold at steady prices. All averages of fat backs were quoted at prices unchanged from a week earlier. There was fairly good trade in green rough jowls, largely for January shipment, at prices showing some weakness.

SAUSAGE MATERIALS

Considerable easiness developed in the market for regular pork trimmings and by Thursday the price had dropped to 5c from the 5 $\frac{1}{4}$ @6c quoted a week earlier. A good volume of trimmings went into the freezer this week. Special lean trimmings at 11 $\frac{1}{4}$ c were down $\frac{1}{4}$ c from a week ago and extra lean trimmings were unchanged at 12 $\frac{1}{4}$ c. Beef trimmings at 10@10 $\frac{1}{4}$ c were down $\frac{1}{4}$ c from a week ago. Most other sausage materials were steady to easy.

FRESH PORK

While prices for fresh pork cuts closed the four-day period of the current week 1c to 1 $\frac{1}{2}$ c under the preceding Thursday, there was a fair demand for pork in big Eastern consuming centers. At Chicago, however, there was con-

Brands and Trade Marks

In this column from week to week will be published trade mark applications of interest to readers of THE NATIONAL PROVISIONER. They have been published for opposition, and will be registered at an early date unless opposition is filed promptly with the U. S. Patent Office.

Christopher Offenhauser, doing business as Consolidated Dressed Beef Co., Philadelphia, Pa.—For fresh ground beef. Trade mark: ROUNDBERGER, the letters of this word being spaced in the form of a semi-circle. Claims use since March 6, 1939. Application serial No. 417,342.

Ohio Provision Co., Cleveland, Ohio.—For bacon. Trade mark: "SANDY MAC" over fanciful portrait of a Scotchman in kilts playing bagpipes. Claims use since February 14, 1939. Application serial No. 420,882.

The Humko Co., Memphis, Tenn.—For shortening made from vegetable oils. Trade mark: TREND. Claims use since July 27, 1939. Application serial No. 422,512.

siderable carry-over and a good deal of product found its way to the freezer. Prices of light loins at 11@11 $\frac{1}{2}$ c compared with 12 $\frac{1}{2}$ c a week earlier; 16/22 averages at 11c were steady to $\frac{1}{4}$ c down and 22 and up at 10 $\frac{1}{2}$ @11c were firm. Boston butts at 10@10 $\frac{1}{2}$ c were easy, while boneless butts showed no decline from a week earlier at 14c.

BARRELED PORK

Demand for barreled pork has been rather quiet. Heavy pork, 30/40 up to 60/70, was offered freely with prices rather weak. However, some producers are holding product at a full 50c over list prices, unchanged from a week earlier, ranging from \$17.00 for the 30/40 to \$11.00 for the 80/100. At New York, demand was fair and the market somewhat firmer. Mess was quoted at \$19.25 per barrel and family at \$17.75 per barrel.

(See page 41 for later markets.)

CATTLE IMPORT QUOTA

Under provisions of the reciprocal trade agreement between the United States and Canada, 225,000 head of heavy cattle—those weighing 700 lbs. and over—can be brought into the United States during 1940 at the reduced tariff rate, according to a proclamation issued by the President of the United States on December 2. Of this total Canada may send 193,950 head. For the first quarter, in-shippments from Canada may total 51,720 head, while other countries may send 8,280 head. Most of the heavy cattle imported into the United States come from Canada. The larger percentage of lighter weights come from Mexico and go mainly to Southwestern feedlots.

AUTOMATIC TEMPERATURE AND HUMIDITY CONTROL
for Every Purpose in the Meat Packing Industry

When you want accurate and dependable control for any process—steam heated hot water heaters—heating or air conditioning system—call in a Powers engineer. With 45 years of experience and offices in 45 cities we are well qualified to help you. Telephone or write our nearest office. See your telephone directory.

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POWERS
45 YEARS OF TEMPERATURE AND HUMIDITY CONTROL

PRAGUE POWDER

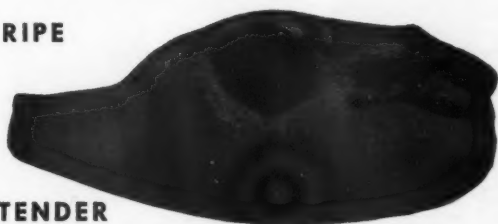
Registered U. S. Patent Nos. 2054623, 2054624, 2054625, 2054626

CAREFUL THINKING is necessary if you want to do PERFECT CURING

MAKE A PERFECT HAM
Treat each ham as an individual

PRAGUE POWDER pickle is ripe; it is developed one step further than fresh pickle. Its absorption creates immediate action as a color fixative and as a cure. You can decide to artery pump your hams or you can spray pump, using several stitches in your smoked hams. PRAGUE POWDER pickle is a perfect pumping pickle. It is absorbed more quickly in the muscles and joints than any other pickle and makes the "short time cure" in 3 to 7 days.

IT'S RIPE



IT'S TENDER

PRAGUE PERCENTAGE SCALE



**ADD
10%
NO
MORE
NO
LESS**

**IT
PAYS
TO
BE
CAREFUL**

If you artery pump or spray pump, you will be safer with the **PRE-PREPARED PRAGUE POWDER PICKLE.**

CHOOSE COLD PACKED OR PRE-COOKED

**PRAGUE
CURED
GRIFFITH
METHOD**



**COLD
PACK
SAVE
15%**

WE ADVOCATE A "COLD PACK" HAM

American Packers should not be helpless in the presence of the strong demand for this "Cold Pack," "Ready to Eat" canned ham. Griffith's methods make its production easy. Ask for the cure and method.

Read the Story of Artery Pumping in PRAGUE Booklet "Our Scales Are Practical"

Your operators will become accustomed to the handling of the Prague Percentage Scale in a very few hours. Try out a few in your pumping cellar. We feel it is our duty to call your attention to this modern piece of equipment. A Perfect Non-Corroding scale—a Perfect Percentage Calculator.

The Griffith Laboratories have also invented a process for preparing and cooking the Polish style ham by their "Cold Pack" method. They have many practical mechanical pieces that you could use to your advantage such as the Big Boy Pumps, the Canning Ham Press and Vacuum Hood.

Come to our laboratories at any time or write us for information. We are practical packer assistants.

INVESTIGATIVE SCIENCE GOES ONE STEP FORWARD

THE GRIFFITH LABORATORIES

1415-1431 West 37th St.

Chicago, Illinois

Eastern Factory: 35 Eighth St., Passaic, New Jersey

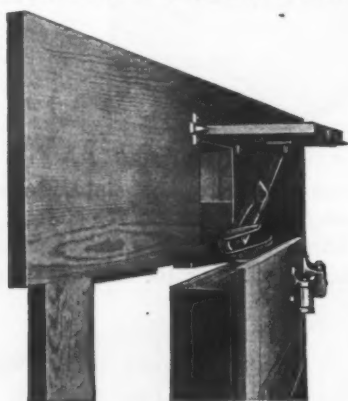
Canadian Factory and Office: 1 Industrial St., Leaside, Toronto 12, Ontario

NEW EQUIPMENT *and Supplies*

TRACK PORT DOOR OPERATOR

A new automatic track port door operating device designed for simplicity, pleasing appearance and smooth operation has been announced by the Jamison Cold Storage Door Co., Hagerstown, Md. The door, a radical departure from former conventional designs, is offered as standard equipment on new Jamison-built track doors as well as for replacement on existing doors, both Jamison-built and most other standard makes.

The new device is simple and practical. It has but three major parts: The trap door itself, the trap door operating linkage, and the trip yoke on the cold



ONLY THREE MAJOR PARTS

storage door. Operating parts are entirely enclosed within track port.

There are no gears, cams, counterweights, springs or exposed bars or rods. When main cold storage door is closed there is nothing visible on casing head but trap door and its two small hinges. Trap door is fully opened with 10-degree opening of main door.

All metal parts are of iron and steel, hot galvanized to protect against corrosion. Bearing pins and roller are of hardened steel, and the small track port door is doweled to prevent warping. When cold storage door is closed, track port door is held firmly against specially arranged rubber gasket by the lug on door yoke, making a complete and tight seal. New automatic track port door operator is described and illustrated in Jamison Supplement No. 4T, available on request from the company.

PIPE LINE SIGHT GLASSES

Many applications for a visible-flow fitting are found in power plants and processing industries. They provide a continuous check on operation of equipment and permit observation of fluid in

flow under pressures up to 125 lb. per sq. in.

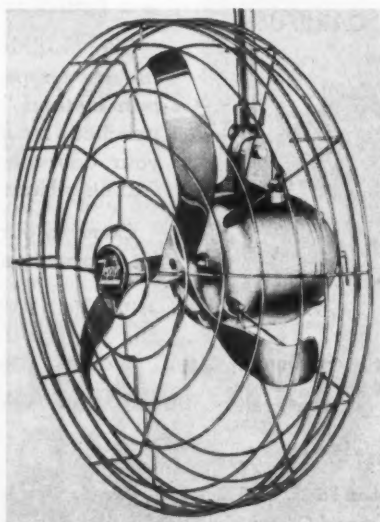
Developed by Cochrane Corp. to facilitate observation of duration of blow-off from hot process softener sedimentation tanks, the closed fitting equipped with sight glasses permits discharge of sludge to the sewer under pressure, making possible use of a smaller line than is necessary with the usual gravity flow from an open funnel.

Cochrane sight glass has been designed in six sizes for 2½-3-4-5-6- and 8-in. lines for any purpose where visual inspection of fluid flow is desired. Body is cast iron and window frame is steel. Windows are made of Pyrex glass. Sight glass fitting is flanged for installation in the line and all sizes measure 13¼ in. between finished surfaces. Windows are 4¼ in. in diameter.

COOLER AIR CIRCULATOR

A corrosion-proof air circulator for packinghouses and cold storage plants has been announced by the Edgar T. Ward Co., River Forest, Ill. Applications recommended by the manufacturer are curing rooms, fresh pork sausage rooms, meat cutting rooms, boning rooms, coolers, cold storage rooms and laboratories. Applications have established the unit as effective in elimination of drip caused by condensation and in increasing the efficiency of cooling equipment in rooms where circulators have been installed.

Circulators are offered with either one-or-two-speed motors, with 22-or 28-

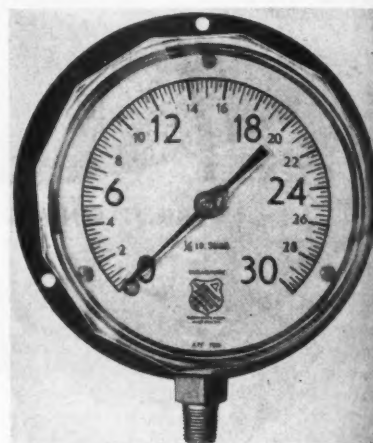


RESISTS CORROSION

in. blade. Air delivery of the fans is 10,000 cu. ft. per min. with constant speed motor and 6,000 to 10,000 cu. ft. per min. with two-speed motor. Blade is cast from a special salt and acid resisting aluminum alloy. Guard is constructed of Monel metal. All bolts, nuts, washers, castings, etc., are made of corrosion-proof metal and are specially treated with metallized paint.

TRANSPARENT GAUGE COVER

A new transparent gauge cover, which is said to eliminate breakage and to facilitate reading of the gauge dial, has



CLEAR AND NON-BREAKABLE

been announced by the Ashcroft American Gauge division of Manning, Maxwell & Moore, Inc. New cover is shown in the accompanying illustration.

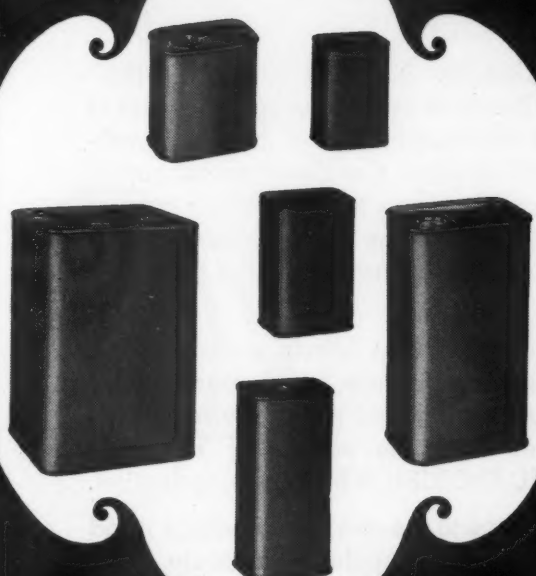
The new development employs a non-breakable, transparent plastic in the form of a cover which threads onto gauge case. Cover has a tensile strength of about 5,000 lbs. per sq. in. and a compression strength of about 15,000 lbs. per sq. in. It is said to be as clear as crystal.

This gauge cover opens up the dial of the gauge, the company states, and makes it much easier to read, also rendering the case moisture-proof and dust-proof.

CHECKING SAUSAGE COSTS

What profit do you make on franks? "Sausage and Meat Specialties," THE NATIONAL PROVISIONER's new book, will tell you how to find out.

Salad Oils



Not unlike other liquid products, Salad Oils require clean, tight cans of the highest quality.

For this reason Continental shows above a variety of cans admirably suited for the packaging of Salad Oils and kindred products.

Many other styles are available, too. Simply call a Continental representative—he'll be glad to help you determine the container you need.

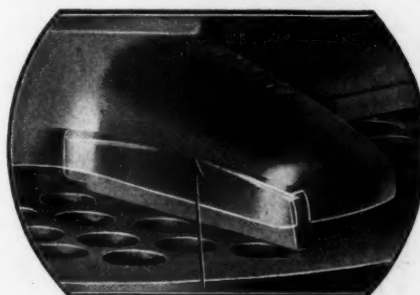


CONTINENTAL CAN COMPANY

New York • Chicago • San Francisco • Montreal • Toronto • Havana



BUT chopped meat may look like chewed meat if the knife and plate are so dull that it is mangled instead of cut, or if the knife is so worn or bent away from the plate that the meat is spewed out in ragged pieces instead of in clean cut, continuous drills.



X-Ray View Showing Pivot Point.

THE HOOK-EYE MASTER KNIFE CANNOT SEPARATE FROM THE PLATE

Its pivot-back construction always applies pressure *uniformly* over the *entire* length of the blade, and the knife is so designed that it sharpens as it wears. No other blade has, or can have, the HOOK-EYE renewable blade with a patented pivot back.

THE HOOK-EYE PROCESS PLATE IS ALWAYS SHARP

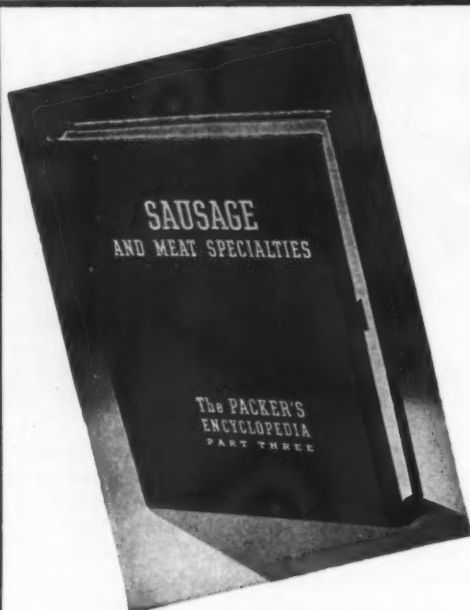
It is the only two-piece plate with a separate, hardened steel cutting surface that will cut 500,000 pounds of meat and more without loss of sharpness, formation of ridges, dulling of hole edges, or other objectionable wear.

OUTRIGHT SALE OR RENTAL SERVICE

If interested in terms or demonstration, return the coupon to the Atlantic Service Co., manufacturers of the first successful permanent chopper plates and Master Knives employing the pivot bearing principle.

ATLANTIC SERVICE CO., Inc.
(BUSINESS ESTABLISHED 1901)
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IF HE'S IN THE SAUSAGE BUSINESS, HERE'S THE IDEAL CHRISTMAS GIFT FOR HIM

"SAUSAGE & MEAT SPECIALTIES" for the first time puts between the covers of a book the answers to the manifold problems which beset the Sausage Manufacturer and Sausage Maker. Many owners of this new volume have pronounced it indispensable in the conduct of their business.

Some of the best known authorities on sausage manufacture, plant construction, air conditioning and plant operations co-operated with the editors of THE NATIONAL PROVISIONER in its preparation.

Reference to the chapter headings listed in the adjoining column indicate at a glance the wide range of subjects covered and emphasize the definite value it will be to the fortunate recipient of your Christmas thoughtfulness.

Mailed by us, if you wish, with appropriate holiday greetings to any point in the United States you designate \$5.00 postpaid.

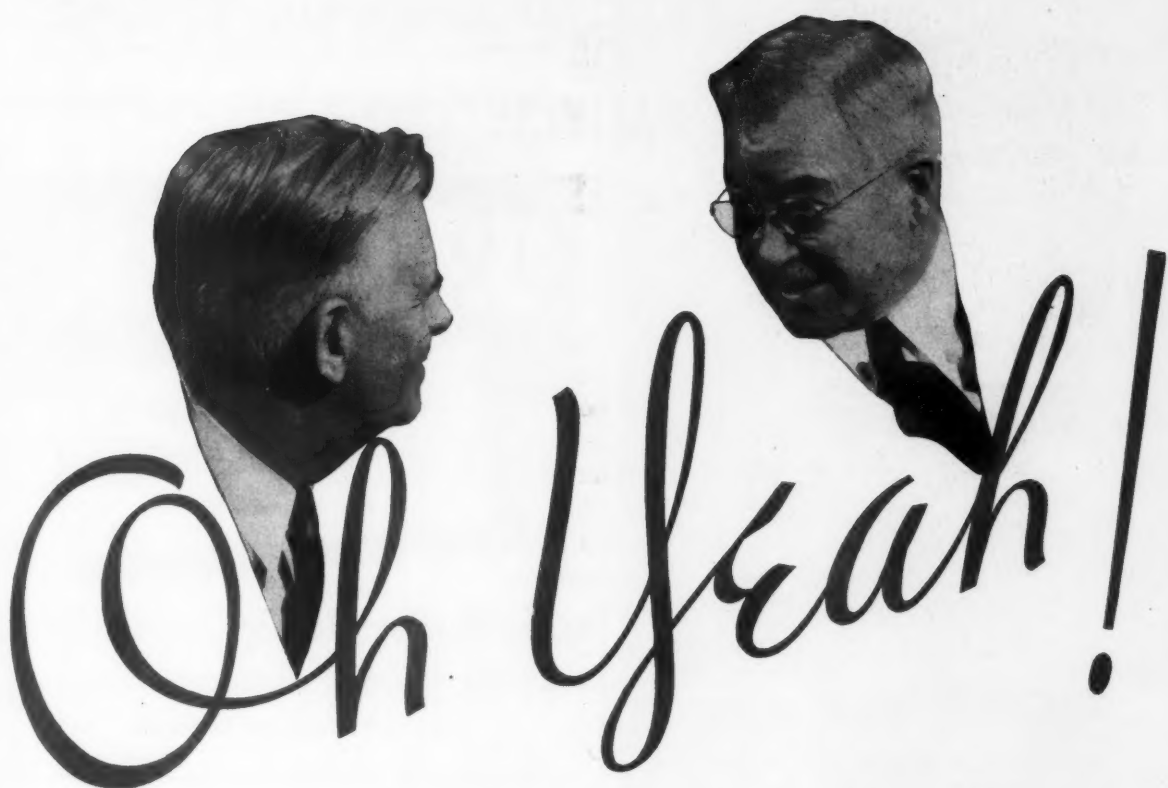
CHAPTER HEADINGS

- 1 The Sausage Manufacturing Industry
- 2 Sausage Plant Layout
- 3 Refrigeration and Air Conditioning
- 4 Manufacturing Operations
- 5 Cost Figuring
- 6 Sausage Materials
- 7 Fresh Sausage
- 8 Frankfurts
- 9 Bologna
- 10 Liver Products
- 11 Mettwurst and Minced Sausage
- 12 Kosher Style Products
- 13 Foreign Style Sausage
- 14 Head Cheese, Souse, Jellied Products
- 15 Dry Sausage
- 16 Meat Loaves and Loaf Products
- 17 Meat Specialties
- 18 Cooked Hams and Corned Beef
- 19 Sausage Trouble Shooting
- 20 Sausage Laws and Regulations

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"You think your lard cartons don't leak. Well, you can be sure of getting the best in protection by using Rhineland's LARDBAK when you have a wrapping job on shortening."

There's also another "leak" that LARDBAK puts an end to, and that's the several cents a pound price penalty some packers unnecessarily pay for wraps that provide no greater protection. Economize and protector-ize with...

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**YOUR GRACIOUS HOST
FROM COAST TO COAST**



The Gotham

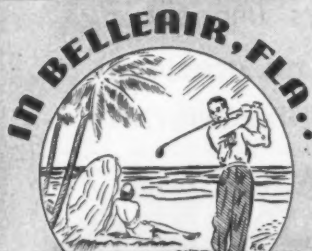


The Drake

The Blackstone



The Town House



Bellevue Biltmore

A.S. KIRKEBY, Managing Director

**KIRKEBY
HOTELS**

NOVEMBER FRESH MEAT PRICES

CHICAGO

Wholesale fresh meat prices for November, 1939, with comparisons:

BEEF.	Nov., 1939.	Oct., 1939.	Nov., 1938.
Steer—			
Choice, 400-500 lbs.	\$17.16	\$17.50	\$17.10
500-600 lbs.	16.90	16.79	17.10
600-700 lbs.	15.60	15.79	17.10
700-800 lbs.	15.16	15.58	17.10
Good, 400-500 lbs.	16.16	16.50	15.01
500-600 lbs.	15.18	15.50	15.01
600-700 lbs.	14.18	14.58	15.01
700-800 lbs.	14.16	14.58	15.01
Com'l, ¹ 400-600 lbs.	13.66	13.95	13.24
600-700 lbs.	13.08	13.29	13.24
Utility, ² 400-600 lbs.	11.91	12.28	11.99
Cow—All weights—			
Commercial ³	11.80	11.72	11.40
Utility ⁴	10.85	10.66	10.66
Cutter	9.77	9.81	.....
Canner	9.21	9.26	.....

VEAL CARCASSES.

Veal—All weights—			
Choice	15.24	16.50	14.94
Good	14.24	15.50	13.94
Medium	12.74	14.00	12.94
Common	11.24	12.39	11.79
Calf—All weights—			
Good	13.32	13.50	12.34
Medium	12.28	12.50	11.41
Common	11.24	11.50	10.61

LAMB AND MUTTON.

Lamb—			
Choice, 38 lbs. down.	16.34	16.08	17.03
39-45 lbs.	16.26	15.85	17.03
46-55 lbs.	15.76	15.64	16.13
Good, 38 lbs. down.	15.34	15.08	16.07
39-45 lbs.	15.26	14.85	16.07
46-55 lbs.	14.76	14.68	15.13
Medium, all weights.	13.49	12.95	15.04
Common, all weights.	12.00	10.95	13.53
Mutton (ewe)—70 lbs. down—			
Good	7.22	7.50	8.27
Medium	6.36	6.50	7.42
Common	5.50	5.50	6.50

FRESH PORK.

Hams, 10-14 lbs. av.	13.62	13.94	14.76
Loins, 8-10 lbs. av.	13.72	17.59	16.40
10-12 lbs. av.	13.70	17.59	16.40
12-15 lbs. av.	13.04	16.78	15.99
16-22 lbs. av.	11.84	14.10	15.13
Shoulders, N. Y. style—			
skinned, 8-12 lbs. av.	10.82	12.38	12.75
Picnics, 6-8 lbs. av.	10.26	11.45	.....
Butts, Boston style—			
4-8 lbs. av.	12.26	14.61	14.96
Spareribs (half sheet)	11.11	13.10	13.09

Prior to Aug. 7, 1939: ¹ Medium grade; ² Common grade; ³ Good and Choice grades; ⁴ Common and Medium grades.

NEW YORK

Wholesale fresh meat prices for November, 1939, with comparisons:

BEEF.	Nov., 1939.	Oct., 1939.	Nov., 1938.
Steer—			
Choice, 400-500 lbs.	\$17.10	.....	\$17.86
500-600 lbs.	16.56	16.71	17.86
600-700 lbs.	16.33	16.44	17.86
Good, 400-500 lbs.	.....	.....	15.96
500-600 lbs.	15.67	16.20	15.96
600-700 lbs.	15.09	15.35	15.96
700-800 lbs.	14.91	15.18	15.96
Com'l, ¹ 400-600 lbs.	13.65	13.96	13.76
600-700 lbs.	13.33	13.42	13.76
Utility, ² 400-600	12.10	11.60	12.31
Cow—All weights—			
Commercial ³	12.08	12.14	12.37
Utility ⁴	11.17	11.30	11.50
Cutter	10.44	10.69	.....
Canner	.....	.....	.....

VEAL CARCASSES.

Veal—All weights—			
Choice	16.45	17.38	17.11
Good	14.87	15.92	15.33
Medium	13.37	14.42	13.63
Common	12.08	12.88	12.53
Calf—All weights—			
Good	13.42	14.44	12.78
Medium	12.42	13.00	11.70
Common	11.49	11.72	10.85

LAMB AND MUTTON.

Lamb—			
Choice, 38 lbs. down.	17.43	16.99	18.18
39-45 lbs.	16.74	16.45	17.75
46-55 lbs.	15.90	15.90	17.24
Good, 38 lbs. down.	16.65	16.31	17.49
39-45 lbs.	15.98	15.74	17.05
46-55 lbs.	15.28	15.30	16.63
Medium, all weights.	14.39	13.96	15.60
Common, all weights.	12.97	11.68	14.29
Mutton (ewe)—70 lbs. down—			
Good	8.18	7.82	8.74
Medium	7.18	6.82	7.73
Common	6.18	5.80	6.72

FRESH PORK.

Hams, 10-14 lbs. av.	14.93	15.90	16.91
Loins, 8-10 lbs. av.	14.31	18.72	17.34
10-12 lbs. av.	14.31	18.68	17.33
12-15 lbs. av.	13.80	17.71	16.64
16-22 lbs. av.	12.61	16.02	.....
Shoulders, N. Y. style—			
skinned, 8-12 lbs. av.	12.54	14.30	14.38
Picnics, 6-8 lbs. av.	.....	.....	.....
Butts, Boston style—			
4-8 lbs. av.	14.31	16.65	16.76
Spareribs (half sheet)	13.05	13.59	14.50

DANISH HOG NUMBERS RISE

An increase in the number of hogs in Denmark this October compared with last, and a substantial increase in fall-bred sows, indicates larger hog marketings this fall and winter than a year ago and prospective increase in supplies in 1940, according to the latest official estimate of hog numbers. The difficulty of obtaining feed supplies, if the war continues for an extended period, will probably check expansion as it did in the period 1915-1919 during the years of the World War.

The October 22 estimate shows an increase of 21 per cent in the number of older sows bred in Denmark this fall and an increase of 15 per cent in young sows bred. The total number of hogs on hand on October 22 was estimated at 3,192,000 head, an increase of 12 per cent above the October estimate for 1938, when the number was 2,846,000, the lowest since 1933. All classes of hogs showed increases above last year, according to the official estimate.

ARMOUR BARGAINING AGENCY

The National Labor Relations Board has certified Meat Cutters Union, Local 261, chartered by Amalgamated Meat Cutters and Butcher Workmen of America of the A. F. of L., as exclusive bargaining agency of production and maintenance employees of Armour and Company at the 6th st. and 17th st. plants in Jersey City, N. J. Certification followed an election held on November 10.

BAI BY-PRODUCT ORDER

A new order (B. A. I. Order 371), effective February 1, 1940, has been issued by the Bureau of Animal Industry, United States Department of Agriculture, covering sanitary control of animal by-products (except casings) offered for entry into the United States. The order embraces 27 regulations and appendix, superseding B. A. I. Order 341 and all amendments thereto.

**Specially prepared for
sausages and meat loaves**

MELOWARD

**Controlled quality
Roller Process
Dried skim milk**

**WARD MILK PRODUCTS DIVISION
KRAFT-PHENIX CHEESE CORPORATION
GENERAL OFFICES, CHICAGO**



**BRAND'S
New System
Rotary Oven**

**Produces Best Quality
loaves and Roasts at Low-
est Fuel and Power Cost.**

Built for Service

**36 loaves or 24 roasts
60 loaves or 48 roasts
90 loaves or 72 roasts**

**Where no gas is avail-
able, burners may be had
for kerosene, oil or gaso-
line at slight additional**

Burns Any Gas

**SMALL - \$350.00
MEDIUM - 375.00
LARGE - 475.00**

cost. Names of users and complete details on request!

BRAND BROS., INC.

**Sausage Casings - Machinery Supplies
410 E. 49th Street New York City**

**Builders of Brand's Famous Revolving Track, Insulated Steel Smokehouses;
also Gas Fired Round or Rectangular Cooking Kettles; also Semi-Tele-
scopic Smokehouse Cages in any size.**



Freshness!

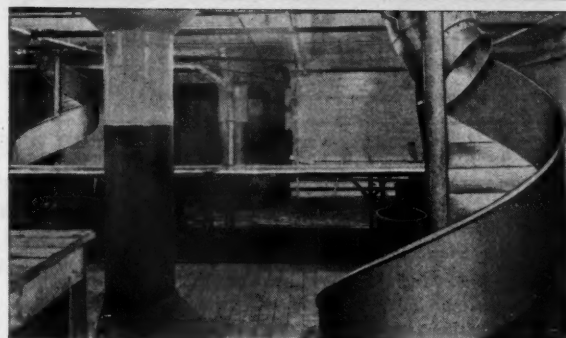
**Freshness is something you can
see. Your customers judge fresh-
ness by appearance. A neat, sani-
tary package gives your product
that appetizing
appearance
that produces
sales.**



We specialize in packages for meat products.

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**Standard
STAINLESS STEEL
SPIRAL CHUTES**

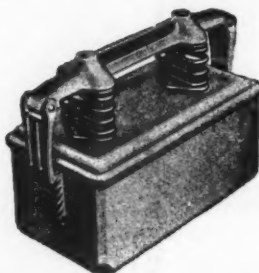


**CUT COSTS WITH
CORROSION-FREE
HANDLING EQUIPMENT**

**More and more meat packers are installing
Standard Stainless Steel Spiral Chutes.
Stainless steel provides the advantage of
complete sanitation plus low maintenance
costs because it is impervious to the effects
of costly corrosion. Write for complete infor-
mation describing Standard Stainless Steel
equipment for meat packing plants.**

**STANDARD
CONVEYOR COMPANY
NORTH ST. PAUL, MINNESOTA**

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and a Happy New Year!



HAM BOILER CORP.

PORT CHESTER, N. Y.

SLICES, SHINGLES, STACKS

Here's a real profit-making machine for medium size establishments. An efficient, economical, automatic unit with new *Continuous Feed* that operates from any electric socket—pays for itself in a short time.

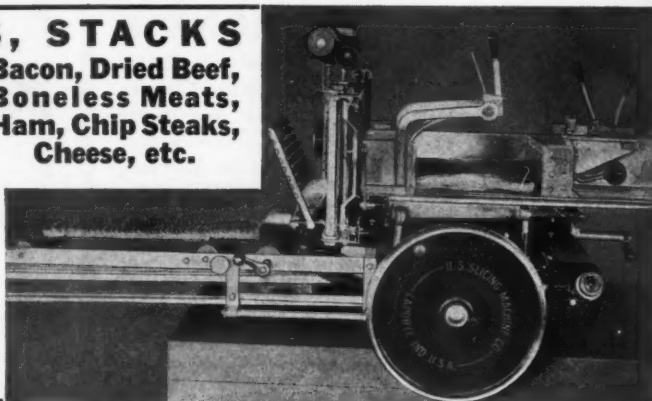
The U. S. Model 150-B enables you to slice and shingle right onto the conveyor, or stack slices on trays, without resetting machine or handling food or slices from start to finish. Takes meats up to 24" long. Slices any thickness from $\frac{1}{64}$ " to $\frac{5}{16}$ ". Equipped with $\frac{1}{4}$ H.P. motor.

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La Porte, Ind.

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Ham, Chip Steaks,
Cheese, etc.**



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and

HAPPY NEW YEAR

to the Meat Packing Industry



C. F. Lenzke & Co.

1439 WEST GRAND BOULEVARD • DETROIT, MICHIGAN

*Manufacturers of "Perfection" Ham Moulds and Ham Cylinders
Meat Loaf Moulds and Fillers • Ham Press • Meat Shaping Press*

RETAIL MEAT PRICES

Average of semi-monthly prices at New York and Chicago for all grades of pork and good grades of other meats in mostly cash and carry stores.

	NEW YORK.				CHICAGO.			
	30. Nov. 1939.	30. Nov. 1938.	30. Nov. 1937.	30. Nov. 1936.	30. Nov. 1939.	30. Nov. 1938.	30. Nov. 1937.	30. Nov. 1936.
Beef:								
Porterhouse steak	.43	.46	.47	.45	.43	.47		
Sirloin steak	.38	.41	.42	.37	.37	.38		
Round steak	.38	.40	.40	.34	.34	.33		
Rib roast, 1st 6 cuts	.30	.32	.35	.30	.30	.31		
Chuck roast	.24	.25	.29	.23	.24	.23		
Plate beef	.14	.15	.18	.14	.15	.16		
Lamb:								
Legs	.26	.27	.29	.25	.26	.27		
Loin chops	.39	.41	.42	.36	.42	.41		
Rib chops	.33	.35	.36	.31	.39	.35		
Stewing	.12	.12	.14	.13	.16	.15		
Pork:								
Chops, center cuts	.31	.34	.34	.26	.31	.31		
Bacon, strips	.30	.35	.40	.26	.31	.37		
Bacon, sliced	.31	.38	.44	.32	.37	.44		
Hams, whole	.27	.30	.30	.25	.27	.28		
Picnics, smoked	.20	.20	.23	.18	.20	.22		
Lard	.13	.14	.18	.10	.12	.15		
Veal:								
Cutlets	.44	.45	.45	.40	.39	.39		
Loin chops	.37	.38	.37	.34	.34	.34		
Rib chops	.30	.33	.32	.29	.30	.30		
Stewing (breast)	.17	.17	.18	.14	.16	.15		

PLAN NATIONAL CONVENTION

Plans for the annual convention of National Association of Retail Meat Dealers, to be held in St. Paul, Minn., on August 4 to 8, 1940, were discussed at a recent committee meeting in that city. Edwin F. Janssen of St. Paul, president of the St. Paul Meat Guild and head of the Minnesota Retail Meat Dealers' Association, is general chairman of the convention, which is expected to attract more than 2,000 delegates from all parts of the United States. The convention was held in New York in 1939.

CHAIN STORE SALES

Kroger Grocery & Baking Co. announces sales of \$19,692,184 for the four-week period ended December 2, a gain of 8 per cent over sales for the corresponding period of 1938. Cumulative sales for the first 12 periods of 1939 totaled \$222,935,549, a 5 per cent increase over sales of \$212,030,762 for the corresponding period during the 1938 year.

WHOLESALE DRESSED MEAT PRICES

Wholesale prices of Western dressed meats quoted by the U. S. Agricultural Marketing Service at Chicago and Eastern markets on December 13, 1939.

	CHICAGO.	BOSTON.	NEW YORK.	PHILA.
Fresh Beef:				
STEERS, Choice¹:				
400-500 lbs.	\$16.00@17.50			
500-600 lbs.	15.50@17.50		\$17.00@17.50	\$17.00@18.00
600-700 lbs.	14.50@16.50	\$15.50@16.50	18.00@17.00	16.50@17.50
700-800 lbs.	14.00@15.50	15.00@16.00	15.50@16.50	16.50@17.00
STEERS, Good¹:				
400-500 lbs.	15.00@16.00			
500-600 lbs.	14.00@15.50		15.00@17.00	15.50@17.00
600-700 lbs.	13.50@14.50	14.00@15.50	14.00@16.00	14.50@16.00
700-800 lbs.	13.00@14.00	14.00@15.00	14.00@15.50	14.50@16.00
STEERS, Commercial¹:				
400-600 lbs.	12.50@13.50		13.00@14.00	13.00@14.50
600-700 lbs.	12.50@13.50	13.00@14.00	13.00@14.00	13.00@14.50
STEERS, Utility¹:				
400-600 lbs.	11.00@12.50	12.00@13.00	12.00@13.00	
COWS (all weights):				
Commercial	11.00@12.00	12.00@13.00	12.00@13.00	
Utility	9.75@11.00	11.00@12.00	11.00@12.00	11.00@12.00
Cutter	9.25@ 9.75	10.50@11.00	10.50@11.00	10.00@11.00
Canner	8.75@ 9.25			
Fresh Veal and Calf:				
VEAL (all weights)²:				
Choice	14.00@15.00	15.00@16.00	16.00@17.00	18.00@17.00
Good	13.00@14.00	14.00@15.00	14.00@16.00	14.50@16.00
Medium	11.00@13.00	12.00@14.00	11.50@14.00	12.50@14.50
Common	10.00@11.00	11.00@12.00	10.50@11.50	11.00@12.50
CALF (all weights)²:				
Choice				
Good	12.50@13.50		13.00@14.00	13.00@14.00
Medium	11.00@12.50		11.50@13.00	12.00@13.00
Common	10.00@11.00		10.50@11.50	11.00@12.00
Fresh Lamb and Mutton:				
LAMBS, Choice:				
38 lbs. down	15.00@16.00	16.50@17.50	16.50@17.50	17.00@18.00
39-45 lbs.	14.50@15.50	15.50@16.50	15.50@16.50	16.50@17.50
46-55 lbs.	13.50@14.50	14.50@15.50	14.50@15.50	15.00@16.50
LAMBS, Good:				
38 lbs. down	14.00@15.00	15.50@16.50	16.00@16.50	16.50@17.00
39-45 lbs.	13.50@14.50	14.50@15.50	15.00@16.00	16.00@16.50
46-55 lbs.	12.50@13.50	13.50@14.50	14.00@15.00	15.00@16.00
LAMBS, Medium:				
All weights	12.00@13.50	13.50@14.50	14.00@15.00	15.00@16.00
LAMBS, Common:				
All weights	11.00@12.00	12.50@13.50	13.00@14.00	
MUTTON (Ewe), 70 lbs. down:				
Good	6.50@ 7.50			
Medium	6.00@ 6.50			
Common	5.00@ 6.00			
Fresh Pork Cuts:				
LOINS				
8-10 lbs.	11.00@12.00	12.50@13.50	12.00@13.00	12.00@13.50
10-12 lbs.	11.00@12.00	12.50@13.50	12.00@13.00	12.00@13.50
12-15 lbs.	10.50@11.50	12.00@13.00	11.50@12.50	12.00@13.00
16-22 lbs.	10.00@11.00			
SHOULDERS, Skinned, N. Y. Style:				
8-12 lbs.	9.00@10.00		10.00@11.50	10.50@12.50
PICNICS:				
6-8 lbs.	9.00@ 9.50	10.50@11.50		
BUTTS, Boston Style:				
4-8 lbs.	10.00@11.00		11.50@12.50	11.50@13.00
SPARE RIBS:				
Half Sheets	8.00@ 9.00			
TRIMMINGS:				
Regular	5.00@ 5.50			

¹ Includes heifer 300-450 lbs. and steer down to 300 lbs. at Chicago. ² "Skin on" at New York and Chicago. ³ Includes sides at Boston and Philadelphia.

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Tenderated Hams

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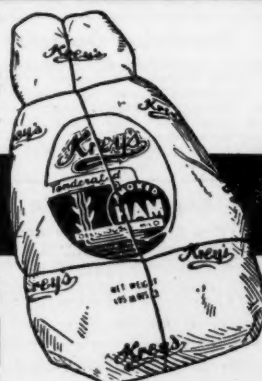
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Superintendent

Practical operator wishes new connection. Long experience all departments, killing, cutting, curing, sausage, lard, etc. old style and short time cures, approved methods, economical manager. Also familiar with tests, costs and sales. W-750, THE NATIONAL PROVISIONER, 407 So. Dearborn St., Chicago, Ill.

Rendering Operator

Position wanted by dry rendering operator with steam engineer's license. Can operate plant economically and get results. Produce quality products. Several years' experience, packing house and dead stock. Married. Will go anywhere. Best references. W-735, THE NATIONAL PROVISIONER, 407 So. Dearborn St., Chicago, Ill.

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Have you need for a successful sausage expert and foreman? Has a wealth of experience in all phases of the sausage industry and cost finding. W-763, THE NATIONAL PROVISIONER, 407 So. Dearborn St., Chicago, Ill.

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Available for eastern, southern, or western connection. Alert. Progressive. Responsible. With thorough marketing knowledge of canned meats, S.P. meats, glass specialties, and canned hams backed by 12 years' experience merchandising through all types of outlets. Executive capabilities. W-761, THE NATIONAL PROVISIONER, 300 Madison Ave., New York, N.Y.

Men Wanted

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Have attractive proposition for salesmen contacting meat packers and sausage manufacturers to handle complete line of printed cellophane products. Liberal commission. Many territories open. Answer fully present activities and territory covered. W-751, THE NATIONAL PROVISIONER, 300 Madison Ave., New York City.

Wanted

ARCHITECTURAL DRAFTSMAN
—Familiar with Packing Plant construction. State experience and salary. Address—Henschien, Everds & Crombie, 59 East Van Buren St., Chicago, Ill.

Sausagemaker Wanted

Sausagemaker wanted by small independent packer. Man who can figure costs, understands curing and smoking. All around sausage man who is willing to work. Right man, good pay. Give reference and experience in reply. Wm. C. Parke & Sons, P. O. Box 685, Ogden, Utah.

Working Foreman

Wanted—Working Foreman for small meat plant killing 100 hogs and 25 cattle per week. Give references, experience, age and salary expected. B. T. Lundy, Berwick, Penna.

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For sale, complete packing plant. This plant is located in the center of oil district of 200,000 population within a radius of 60 miles. Capacity of 75 cattle and 200 hogs per week. Stone and concrete buildings, in perfect repair. Plenty of livestock in this vicinity. All paved roads. Joins stockyards. Write or wire Alex Oliphant, Holdenville, Oklahoma.

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Rendering Machinery

Wanted for user, Hydraulic Curb Press and Pump; Rotary Dryer; Kettles; 2-Filter Presses; Evaporator; Cooker; Lard Cooling Roll. What have you to offer. W-718, THE NATIONAL PROVISIONER, 300 Madison Ave., New York City.

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Following equipment is wanted: small Boss hog dehairer, electric hoist, self-emptying silent cutter, Buffalo chopper, air stuffer. Reply to Harry Newman, Sequim, Washington.

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is used very generally by packers for tying sausage boxes, bacon squares, picnics, butts, etc. Ties 20-30 packages per minute. Saves twine. Write for our 10-day free trial offer. B. H. Bunn Co., 7609 Vincennes Ave., Chicago, Ill.

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- 1 Peerless Electric Meat saw....\$65
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- 6 Sausage Trees....36 in. each \$6.00
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- 35 Aluminum Pear Shaped Ham Boilerseach \$1.50
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are discussed in this 360-page volume. It tells not only how to recognize a market opportunity, but also how to take advantage of it—matching operations to market changes. 100 pages of test tables make it possible for you to determine which cuts are most profitable and how they may be converted for most advantageous sale.

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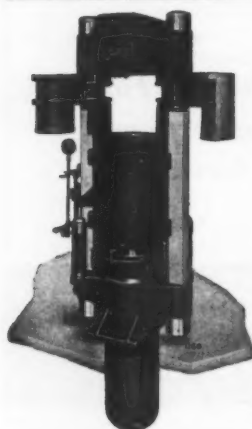
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